## **WEST Search History**

DATE: Friday, April 12, 2002

Set Name side by side	Query	Hit Count	Set Name result set
DB = USPT	T; PLUR=YES; OP=AND		
L17	L16 and arthur.in.	14	L17
L16	sands.in.	417	L16
L15	zambrowicz.in.	6	L15
L14	abuin.in.	1	L14
L13	L12 and glenn.in.	6	L13
L12	friedrich.in.	6503	L12
L11	wattler.in.	1	L11
L10	L9 and john.in.	22	L10
L9	scoville.in.	48	L9
L8	15 and 17	0	L8
L7	gregory.in.	14821	L7
L6	L5 and gregory.in.	0	L6
L5	donoho.in.	97	L5
L4	hilbun.in.	1	L4
L3	L2 and 11	11	L3
L2	alexander.in.	11250	L2
L1	turner.in.	2993	L1

END OF SEARCH HISTORY

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Compugen
version
- 2000
GenCore
(c) 1993
       Copyright
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model 3 search, using nucleic OM nuclei

Search time 127.46 Seconds (without alignments) 6972.381 Million cell upon • • 13:42:33 2002, 11, Apr11 Run on:

updates/sec

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US-09-770-643A-1 3924 1 ataaattaa core: Title: Perfect

...aacgggaatatttcatctga atggattetttaccacgget. rerfect sc Sequence:

IDENTITY\_NUC Gapop 10.0 , Scoring table:

351203 segs, 113238999 residues Searched

1.0

Gapext

702406 satisfying chosen parameters hits οf number Total

length: 0 length: 2000000000 seq seq Minimum DB Maximum DB

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database

ed being print Q No. 1s the number of results predicted by chance to have greater than or equal to the score of the result being priderived by analysis of the total score distribution. . 9 Ø score and 1s Pred.

## SUMMARIES

Result No.	Score	% Query Match	Length	DB	QI.	Cr
, <del>, ,</del>	ι ·	1.2	7218	-	0	ce 14, App
2	<u>.</u>	•	72	⊣	-08-111-93	quence 1, Appl
ന	0	•	90	7	-08-804-196-	ence 1, Appl
4	40.6	1.0	90	7	US-08-658-340-1	equence 1, Ap
ហ	。	•	90	æ	-08-746-111-	equence 26, App
υ U	о В	•	21	⊣	-08-232-463-	ce 14, App
	8	•	03	4	-09-324-86	equence 1, Appl
8	ζ.	•	64	7	S-08-123-934	equence 7, Appl
O	~	•	64	ហ	T-US94-100	quence 7, Appl
	~	•	16	4	-09-382-25	equence 15, App
	~	•	16	4	-09-395-115-	equence 15, App
			82	4	-09-192-983-	equence 3, Appl
13	~	•	95	4	-09-214-27	quence 4, Appl
	· ~	•	31	ന	-08-882-046-	equence 3, Appl
		-	46	~	-08-400-159-	equence 7, Appl
	~	•	48	ന	-08-611-72	equence 7, Appl
		•	33	4	-09-382-25	7, Appl
	ζ.	•	33	4	-09-395-115-	equence 7, Appl
	ف	-	60	ന	-08-941-4	equence 10, App
	છ	•	46	Н	-08-469-00	equence 9, Appl
	Q	•	51	4	-09-261-9	equence 1, Appl
7	დ	•	79	7	-08-762-30	equence 11, App
	٠. ن	•	81	~	S-08-650-000-	equence 3, Appl
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	36	•	91	4	-08-456-	ppl
	c	•	58	ო	-08-746-11	equence 4, Appl
	35.8	•	03	~	US-08-149-097D-24	dd

## ALIGNMENTS

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#1.25
                                             GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: DORNER, F:
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
                                                                                                                                                                                                                                                                                                                                                  Version
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: 29,768
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149
                                                                                                                                                                                           STREET: 1800 Diagonal Road, Suite STATE: VA
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Ve
                                                                                                                                                                                                  Suite
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                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/07/935,3:
FILING DATE:
APPLICATION NUMBER: EP 91 114 30
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
             463-14
14, Application US/08232463
10. 5670367
                                                                                                                                                      SSEE: Foley & Lardner
T: 1800 Diagonal Road, a Alexandria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (/u.,
TELEFAX: (/u.,
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
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pTZgpt-F1s
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CLONE: pTZgpt
S-08-232-463-14
                             Sequence
Patent No
RESULT
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Length 7218
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Process for its Production
                  Indels
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SEE: Dunner
: 1300 I Street, N.W.
Washington
                 184;
DB 1;
; Score 45.2; DB
Pred. No. 0.011;
216; Mismatches
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Kawai, Sur.

Takeshita, Sur.

F: Okazaki, Makoto

T: Amann, Egon

INVENTION: Bone-Related Carboxyr.

TNVENTION: Protein and Process for Trantion: 27
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APPLICATION NUMBER: JP 100 ATTORNEY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26-AUG-1993
N: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: JP 230029/92
FILING DATE: 28-AUG-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                Sequence 1, Application US/08111939; Patent No. 5460951; GENERAL INFORMATION:
APPLICANT: Takeshita, Sunao
APPLICANT: Takeshita, Sunao
APPLICANT: Amann, Egon
TITLE OF INVENTION: Bone-Related of TITLE OF INVENTION: Protein and Photomas of Sequences: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, ADDRESSEE: Dunner
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: D.C.
1.2%;
6.1%;
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ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                 Conservative
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FILING DATE: 26-AU
       Similarity
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thrombosis or
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Mismatches
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Ve
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/00 // FILING DATE:
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Rockville
: Maryland
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        33,694
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                                   TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
TELEFAX: 202-408-4000
                                                                                                                                                      CDNA to mRNA
                                                                                                                                                                                                                                                                                  1.1%;
                                                TELEFAX: 202-400 - C.
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 3728 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pieter
NAME: Forman, David S. REGISTRATION NUMBER: 33, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                               musculus
                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Reitsma, Pier
TITLE OF INVENTION: A me
TITLE OF INVENTION: risl
TITLE OF INVENTION: thro
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
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                                                                                                                                        linear
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NERAL INFORMATION:
APPLICANT: Bertin
                                                                                                                                                                                                                                                                                                 l Similarity
145; Conser
                                                                                                                                                    MOLECULE TYPE: CORIGINAL SOURCE: ORGANISM: MUS
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STREET: 13
CITY: Rock
STATE: Mar
COUNTRY: U
                                                                                                                                                                                                                   NAME/KEY:
. LOCATION:
3-111-939-1
                                                                                                                                        TOPOLOGY
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FILING DATE:
PRIOR APPLICATION DATA:
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                                APPLICATION NUMBER FILING DATE: 06-J
   NUMBER
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165; Conser
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MOLECULE TYPE:
-08-658-340-1
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CITY: Sa
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ZIP: 941
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a genetic defect c
use with the same.
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, Pieter
A method for diagnosing a
risk for thrombosis or a
thrombosis and kit for us
: 14
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Suite 206
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0
CURRENT APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/454,3
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1, Application US/08658340; Patent No. 5910576
Batent No. 5910576
GENERAL INFORMATION:
APPLICANT: Bertina, Rogier
APPLICANT: Reitsma, Pieter
TITLE OF INVENTION: risk for thr
TITLE OF INVENTION: thrombosis a
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Rockville
: Maryland
                                         NAME: GORMLEY, Mary E.
REGISTRATION NUMBER: 34,409
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 948-7400
TELEFAX: (301) 948-7400
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6909 base pairs
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Best Local Similarity 49.8%
Matches 165; Conservative
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CORRESPONDENCE ADDRESS
ADDRESSEE: Akzo No.
                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: both
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                                                                                                                                                    unknown
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MOLECULE TYPE:
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STATE:
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Mismatches
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MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC COMPATIBLE

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0,

CURRENT APPLICATION DATA:
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APPLICANT: Ginsburg, David
APPLICANT: Cui, Jisong
TITLE OF INVENTION: Compounds For NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
ADDRESSEE: Medlen & Carroll, LLP
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Compounds For
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ery Street,
                                              54
                                                                           ATTORNEI, ACCELLANCE MARY E.
REGISTRATION NUMBER: 34,409
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 948-7400
TELEFAX: (301) 948-9751
TELEFAX: (301) 948-9751
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                                           JMBER: US 08/4
06-JUN-1995
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ilarity 49.8%;
Conservative
                                                                       ATTORNEY/AGENT INFORMATION:
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LENGTH: 6909 base pairs
TYPE: nucleic acid
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San Francisco
California
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Patent No. 6251632;
GENERAL INFORMATION:
APPLICANT: Lillicrap, David
APPLICANT: Cameron, Cherie
APPLICANT: No. 62516321ey, Colleen
APPLICANT: Hough, Christine
TITLE OF INVENTION: Canine Factor VIII Gene, Pr
FILE REFERENCE: 1669.0010002/JAG/BJD
CURRENT APPLICATION NUMBER: US/09/324,867A;
CURRENT FILING DATE: 1999-06-03
                                                                                                                                                                                                                                                                                                                                               Pred. No. ...
                                                                            9.
                                                                                                                                                                                                                                                                                                                                         Score
                                                  US/07/935,
                                                                            114
                                                                                                                      REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 3047
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                               207;
                                                                       FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION MITTORNEY
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    nucleic acid
    EDNESS: single
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                                      DATA
                                      IOR APPLICATION DATA
APPLICATION NUMBER:
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                            CLASSIFICATION
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STRANDEDNESS:
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                                                                                                                                                                                                                                                           Score 40.6;
Pred. No. 0
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APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX
NUMBER OF SEQUENCES: 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     677
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Ve
         NUMBER: US/08/746,111
06-NOV-1996
                                                                                  UM-02536
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                                       ATTORNEY/AGENT INFORMATION:
NAME: Ingolia, Diane E.
REGISTRATION NUMBER: 40,027
REFERENCE/DOCKET NUMBER: UM-0
TELECOMMUNICATION INFORMATION:
TELEFHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 6909 base pairs
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Foley & Lardner
Diagonal Road,
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11 Similarity 49.8%;
165; Conservative
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EDNESS: double
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Sequence 14, Application
Patent No. 5670367
GENERAL INFORMATION:
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                                                                                                                                                                                                          CDNA
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TOPOLOGY: linear
MOLECULE TYPE: cDN
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                    NG DATE: 0
APPLICATION PILING PILING
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APPLICANT: 3
APPLICANT: 1
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Best Local S
Matches 165
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Length 7218
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                                                                                                                                                                                                      Mismatches
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Sequence 7, Application US/08123934A

Batent No. 6291206

GENERAL INFORMATION:

APPLICANT: WOZNEY, John

APPLICANT: CELESTE, Anthony J.

APPLICANT: THIES, R. SCOLT

APPLICANT: THIES, R. SCOLT

APPLICANT: YAMAJI, No. 6291206oru

TITLE OF INVENTION: RECEPTOR PROTEINS

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genetics Inst'

STATE: W'

CITY: Cambrider

COUTTY: Cambrider
                                                                                                                                                                                Score 38.2;
Pred. No. 1
EARLIER APPLICATION NUMBER: 09/035,141
EARLIER FILING DATE: 1998-03-059
EARLIER APPLICATION NUMBER: 60/039,953
EARLIER FILING DATE: 1997-03-06
NUMBER OF SEQ ID NOS: 63
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
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                                                                                                                                                                               Query Match
Best Local Similarity 45.9%;
Matches 173; Conservative
                                                                                                     familiaris
                                                                                                                                  ...7029
                                                                                                 ORGANISM: Can1s
FEATURE:
NAME/KEY: CDS
LOCATION: 1..702
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7032
                                                                                        TYPE: DNA
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                                                                                                                                                                                                                                                                                                                              Score 37.8; DB Pred. No. 0.68;
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.Juber: US/08/123,934A
17-SEP-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Inc.-
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RECEPTOR PROTEINS
19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7, Application PC/TUS9410080
GENERAL INFORMATION:
APPLICANT: GENETICS INSTITUTE, INC.
TITLE OF INVENTION: RECEPTOR PROTEIN
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08/123,934
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
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NUMBER: 5203
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0
                                                                                 RECISIONALE REPERENCE/DOCKET NUMBER: 52
TELECOMMUNICATION INFORMATION: 617 876 1170
TELEPHONE: 617 876 5851
                                                                                                                                                                                                                     DNA (genomic)
                                                                                                                                                                                                                                                                                                                              1.0%;
ilarity 57.0%;
Conservative
                                                  TORNEY/AGENT INFORMATION:
NAME: LAZAR, Steven R
REGISTRATION NUMBER: 32,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TORNEY/AGENT INFORMATION:
NAME: LAZAR, Steven R
REGISTRATION NUMBER: 32,
REFERENCE/DOCKET NUMBER:
                                                                                                                                         INFORMATION FOR SEQ ID NO: 7
SEQUENCE CHARACTERISTICS:
LENGTH: 1647 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US
FILING DATE: 17-SEP-199
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                  APPLICATION NUMBER FILING DATE: 17-S
                                                                                                                                                                                                        linear
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                                        CLASSIFICATION:
ATTORNEY/AGENT IN
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ATTORNEY/AGENT IN
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CLONE: W-101
                                                                                                                                                                                                                                                                    CDS
80.
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                                                                                                                                                                             TYPE: nuclei
STRANDEDNESS:
TOPOLOGY: li
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INFORMATION FOR
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                                                                                                                                                                                                                                                                  NAME/KEY:
LOCATION:
S-08-123-934A-7
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STREET: 8
CITY: Cam
STATE: MA
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PCT-US94-10080-7
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Best Local S
Matches 69
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69; Conserv
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Best Local S
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                                                                                                                                                                                         Length 1647
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TEN DIJKE, Pele,
FRANZEN, Petra
YAMASHITA, Hidetoshi
HELDIN, Carl-Henrik
JF INVENTION: ACTIVIN RECEPTOR LIKE KINASES, PRO
HAVING SERINE THREONINE KINASE DO
AND THEIR USE
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Avenue
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FILING DATE: No. 6207814ember 17, 19
APPLICATION NUMBER: GB 9224057.1
FILING DATE: No. 6207814ember 17, 19
APPLICATION NUMBER: GB 9304677.9
FILING DATE: March 8, 1993
APPLICATION NUMBER: GB 9304680.3
                                                                                                                                                                                      .8; LL
0.68;
                                                                                                                                                                                        ore 37.8; Ded. No. 0.68
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FILING DATE: 24-Aug-1999
CLASSIFICATION: 514
APPLICATION DATA:
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                                                                                                                                                                                         core
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ce 15, Application US/09382256A
No. 6207814
RAL INFORMATION:
APPLICANT: MIYAZONO, Kohei
                                                                                                                                                                                        Score
Pred.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Diskette, COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
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GB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fulbright &
STREET: 666 Fifth Aven
                                                                                                                                                                                                            ;
0
        TELEPHONE: (617) 498-8260
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1647 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TELECOMMUNICATION INFORMATION:
                                                                                             (genomic)
                                                                                                                                                                                       1.0%;
ilarity 57.0%;
Conservative
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COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Word
                                                                                              DNA
                                                                                  linear
                                                                      STRANCE TOPOLOGY: linear MOLECULE TYPE: DN/IMMEDIATE SOURCE:
                                                                                                                                                                                                 . Similarity 69; Conser
                                                                                                                                    CDS
80.
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                                                                                                                                   NAME/KEY:
LOCATION:
PCT-US94-10080-7
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Best Local
Matches 6
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US-09-382-25;
Sequence 1;
Patent No.;
                                                                                                                          FEATURE
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Franzen, Petra; Yamashita, Hidetoshi; Heldin, Carl-H
VENTION: Activin Receptor-Like Kinase, Proteins
VENTION: Having Serine Threonine Kinase Domains And
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FILING DATE: March 8, 1993

APPLICATION NUMBER: 9311047.6

FILING DATE: May 28, 1993

APPLICATION NUMBER: 9316099.2

FILING DATE: August 3, 1993

APPLICATION NUMBER: 93144.5

FILING DATE: OCTOBER: 321344.5

FILING DATE: OCTOBER: 30,946

REGISTRATION NUMBER: 30,946

REFERENCE/DOCKET NUMBER: LUD 5298.1

TELEPHONE: (212) 318-3000

TELEPHONE: (212) 752-5958

INFORMATION FOR SEQ ID NO: 15:
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Pred. No. 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        inch,
                                                                                                                                                                                                                                                                                  LENGTH: 2160 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    , Application US/0939511
6271365
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                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: CDS
LOCATION: 10..1524
SEQUENCE DESCRIPTION: SE(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SSEE: Felfe & Lynch
T: 805 Third Avenue
New York City
New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ω.
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larity 57.0%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                  internal
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MEDIUM TYPE: Diskette,
COMPUTER: IBM
OPERATING SYSTEM: PC-DC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lyr
STREET: 805 Third Aver
CITY: New York City
STATE: New York
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US-09-395-115-15
; Sequence 15, Applicatic
; Patent No. 6271365
; GENERAL INFORMATION:
; APPLICANT: Miyazonc
; APPLICANT: Franzen,
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-09-192-983-3
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                                            PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/436,265
FILING DATE: 30-October-1995
APPLICATION NUMBER: PCT/GB93/02367
FILING DATE: 17-No. 6271365ember-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 9224057.1
FILING DATE: 17-No. 6271365ember-1992
                                                                                                                                                                                                                                                                                                                                                                                                                             5298
          us/09/395,11
                                                                                                                                                                                                                                      APPLICATION DATA:
APPLICATION NUMBER: 9311047.6
FILING DATE: 28-May-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 9313763.6
FILING DATE: 2-July-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 9136099.2
FILING DATE: 3-August-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 9321344.5
FILING DATE: 15-October-1993
ATTORNEY/AGENT INFORMATION:
NAME: Kohle1, vineet
REGISTRATION NUMBER: 37,003
REFERENCE/DOCKET NUMBER: LUD 52:
REGISTRATION NUMBER: 137,003
REFERENCE/DOCKET NUMBER: LUD 52:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 2160 base pairs
                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: 9304677.9
FILING DATE: 8-March-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 9304680.3
FILING DATE: 8-March-1993
PRIOR APPLICATION DATA:
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illarity 57.0%;
Conservative
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EDNESS: unknown
APPLICATION DATA
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          APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
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ORIGINAL SOURCE:
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LOCATION:
US-09-395-115-15
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RESULT

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Patent No. 6291210

GENERAL INFORMATION:
APPLICANT: Sakano, Seiji
APPLICANT: Itoh, Akira
TITLE OF INVENTION: DIFFERENTIATION-SUPPRESSIVE POLYPEPTIDE
FILE REFERENCE: KP-8576

CURRENT APPLICATION NUMBER: US/09/214,278

CURRENT FILING DATE: 1999-01-26

NUMBER OF SEQ ID NOS: 32
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Pred. No. 1.3;
0; Mismatches
                                                                                                                                           NUMBER: US/09/192,983A
1998-11-16
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                                                                                                                                                                           EARLIER APPLICATION NUMBER: 08/919,953
EARLIER FILING DATE: 1997-08-29
EARLIER APPLICATION NUMBER: 08/608,241
EARLIER FILING DATE: 1996-02-28
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin Ver. 2.1
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3, Application US/09192983A
                                                                                                                                                                                                                                                                                                                            sphaeroides
                                              APPLICANT: Donohue, Timothy
APPLICANT: Barber, Robert
APPLICANT: Witthuhn, Vernon
TITLE OF INVENTION: Microbial Sys
TITLE OF INVENTION: Remediation
FILE REFERENCE: 960296.95505
CURRENT APPLICATION NUMBER: US/09
CURRENT FILING DATE: 1998-11-16
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l Similarity 48.8%;
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OF SEQ ID NOS:
3: Patentin V
  Sequence 3, Applicat Patent No. 6242244
GENERAL INFORMATION:
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(2236).
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LENGTH: 3955
TYPE: DNA
ORGANISM: HOMO 8
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(215)
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(993)
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Best Local S
Matches 102
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SOFTWARE: F
SEQ ID NO 3
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LOCATION:
19-192-983-
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FEATURE:
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Score 37.4; Pred. No. 1

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ilarity 55.9%;
Conservative
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71; Conserv
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MOLECULE TYPE:
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   Query Match
Best Local S
Matches 71
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Best Local
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APPLICANT: Li, Linheng
APPLICANT: Hood, Leroy
APPLICANT: Krantz, Ian D.
APPLICANT: Spinner, Nancy B.
TITLE OF INVENTION: Human Jagged Polypeptide, En
TITLE OF INVENTION: Nucleic Acids and Methods of
NUMBER OF SEQUENCES: 110
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell & Flores LLP
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: USA
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Pred. No. 1.5;
0; Mismatches
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Very
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/882,046
FILING DATE: 25-JUN-1997
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-UW 2637
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2637
                                                                                                                                                                                                                                                                                                                                   Sequence 3, Application US/08882046
Patent No. 6136952
GENERAL INFORMATION:
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TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 3:
                                                                                                          th 1.0%;
Similarity 55.9%;
71; Conservative
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nucleic acid
EDNESS: single
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                         : sig_peptide
: (12)..(89)
: mat_peptide
: (90)..(3725)
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LOCATION:
882-046-3
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                  ctgctcccagtcctg
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GENERAL INFORMATION:

APPLICANT: Ish-Horowicz, David
APPLICANT: Henrique, Domingos M.P.
APPLICANT: Lewis, Julian H.
APPLICANT: Henrique, Domingos M.P.
APPLICANT: Myat, Anna M.
APPLICANT: Artavanis-Tsakonas, Spyridon
APPLICANT: Artavanis-Tsakonas, Spyridon
APPLICANT: Mann, Robert S.
APPLICANT: Gray, Grace E.
TITLE OF INVENTION: SERRATE GENE AND METHODS BASED THEREON
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ó
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Pred. No. 1.6;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: 1155 Avenue of the Americas CITY: New York STATE: New York COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Vecur APPLICATION DATA:
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07-MAR-1995
                                                                                                                                                                                                                                        US/08400159
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TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 73
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
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ilarity 55.9%;
Conservative
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LENGTH: 4464 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
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                                                                                                                                                                                                        RESULT 15
US-08-400-159-7
; Sequence 7, Application
; Patent No. 5869282
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Issued\_Patents\_AA:\*
1: /cgn2\_6/ptodata/1/laa/5A\_COMB.pep:\*
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5: /cgn2\_6/ptodata/1/laa/PCTUS\_COMB.pep:\*
6: /cgn2\_6/ptodata/1/laa/backfiles1.pep:\*

Database

## SUMMARIES

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		5.2	1940	. 2	US-08-644-271-30	, Ap
7	21.	•	13	ဖ	4415	tent No. 544415
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11	4	•	52	ന	-191-64	equence 2, Appl
12	4	•	52	4	S-09-540-24	equence 2, Appl
13	4	•	52	4	40-153-	quence 2, Appl
14	35.	•	49	~	-08-644-271-3	equence 32, App
15	•	•	~	4	S-09-188-930-	equence 183, Ap
16	3	•	m	4	-08-706-216-	equence 2, Appl
17		•	N	-1	-111-93	2, Appl
18	0	•	18	ო	-08-746-111-	equence 5, Appl
19	$\boldsymbol{\sigma}$	•	Ø	N	-08-162-40	equence 9, Appl
20	19	•	Ō	ന	-08-936-135-	uence 8, Appl
21		•	$\vec{\mathbf{H}}$	ന	8-936-135-1	equence 12, App
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23	95.	•	Ō	m	8-936-135-2	ce 24, App
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25	95.	•	S	ന	-936-135-1	equence 14, App
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                                              - EPQIVPITFVNSSGSYLLLPGTPQIDGLSVSFQFRTWNKDGLL
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Sequence 4, Application US/08460309
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Pred. No. 5.3e
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'0 La Jolla Village Drive,
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ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
"""" Floppy disk
""" Flop
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APPLICATION NUMBER: US 07/472,31
FILING DATE: 30-JAN-1990
PRIOR APPLICATION DATA:
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Patent No. 5872231
Patent No. 5872231 5840863
GENERAL INFORMATION:
APPLICANT: Engvall, Eva
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REFERENCE/DOCKET NUMBER: P-LA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 2:
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| || : | | | RETAVYDAGVPGHLCDGQWHKVT
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NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
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APPLICATION NUMBER:
FILING DATE: 21-SEP-
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INFORMATION FOR SEQ ID NO
SEQUENCE CHARACTERISTICS
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STREET: 4370
CITY: San Die
STATE: Califo
COUNTRY: USA
ZIP: 92122
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Fragments and: 23
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Patent No. 5872231
GENERAL INFORMATION:
APPLICANT: Engvall, Eva APPLICANT: Leivo, Ilmo
TITLE OF INVENTION: Fragments an NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                             --TDTD--
                      IKAFQGCMRLIFIDNQP
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CITY: San
STATE: Cal
COUNTRY: U
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                    Encoding Merosin,
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Pred. No. 3.3e-19;
                                                                            Suite 700
                                                                                                                                                                            Version
                                                                                                                                                                                                                                                                 94/10730
                                                               2: Campbell and Flores
4370 La Jolla Village Drive,
                                                                                                                              COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, V
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/460,309
                                                                                                                                                                                                                                                                                                                                                                                        9721
                                                                                                                                                                                                                                         FILING DATE: 22-SEP-1993
APPLICATION NUMBER: US PCT/US 94/FILING DATE: 21-SEP-1994
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-JUL-1992
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APPLICATION NUMBER:
FILTER
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                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
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150;
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1BER: 31,815
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APPLICANT: Engvall, Eva
APPLICANT: Leivo, Ilmo
TITLE OF INVENTION: Nuc
                                                     ADDRESS:
                                                                                                                                                                                                                                PRIOR APPLICATION DATA: APPLICATION NUMBER:
                    TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRES:
                                                                                     San Diego
California
Engvall,
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CLASSIFICATION:
                                                   ORRESPONDENCE ADDRESSEE: Castreer: 4370 CITY: San Die STATE: Callfo COUNTRY: USA ZIP: 92122
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S-08-460-309-4
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                                     --KDLISVQQGSLGNFSDLHIDLCSIKDRCLPNYCEHGG
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4370 La Jolla Village Drive,
San Diego
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20.1%; Pred. No. 3.3;
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APPLICATION NUMBER: US 07/472,319
FILING DATE: 30-JAN-1990
PRIOR APPLICATION DATA:

APPLICATION NUMBER:
FILING DATE:
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                                                       APPLICATION NUMBER: US/08/125,07 FILING DATE: 22-SEP-1993 CLASSIFICATION: 435 IOR APPLICATION DATA: APPLICATION DATA:
                      IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
Patentin Release #1.0,
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TELEFAX: (619) 535-8949 .
INFORMATION FOR SEQ ID NO: 4:
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FILING DATE: 22-SEP-1993
APPLICATION NUMBER: US PCT/US 94,
FILING DATE: 21-SEP-1994
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21-SEP-1994
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MEDIUM TYPE: Floppy
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Pred. No. 8.8e-1
; Mismatches 4
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                                                            **REFERENCE/DOCKET NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LA 97
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 3075 amino acida
TYPE: amino acid
TOPOLOGY: linear
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APPLICATION NUMBER: US 07/472, FILING DATE: 30-JAN-1990 PRIOR APPLICATION DATA:
                                      MBER: US 07/919,
27-JUL-1992
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                                         APPLICATION NUMBER FILING DATE: 27-J
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Best Local Similarity
Matches 238; Conser
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FILING DATE: 30-JAN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/919,951
FILING DATE: 27-JUL-1992
ATTORNEY/AGENT INFORMATION: HTQSTSVDTNNPIYVGGYPAGVKQKCLRSQT SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/125,07 FILING DATE: 22-SEP-1993 CLASSIFICATION: 435 -SSVQYNHIAPLKAALRHATVAP ALIKSPOVQSLDFSRAFELHGVFLHSCPGP Acids Es and MBER: US PCT/US 21-SEP-1994 ICANT: Engvall, Eva ICANT: Leivo, Ilmo E OF INVENTION: Nucleic Aci E OF INVENTION: Fragments a US/08125077 GHFRLQLNSQLFVGGTSSRQK--FORM: \rightarrow disk AVGHEQVDLDTCWLSERPKL APPLICATION DATA: 5840863 PRIOR APPLICATION DATA: Floppy CORRESPONDENCE ADDRESS ADDRESSE: Campbell -YTEASYLHFP-APPLICATION NUMBER: Sequence 5, Application Patent No. 5872231 Patent No. 5872231 58408 San Diego Callfornia IBM PC OPERATING SYSTEM: COUNTRY: USA ZIP: 92122 COMPUTER READABLE F GENERAL INFORMATION -OQLRLSYN-QVRYHLNK GYKVQSDV ADDRESSEE: 43 COMPUTER:

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NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LA 97
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 3075 amino acids
TYPE: amino acid
TOPOLOGY: linear
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                                                 -GFLGCIRSLHLNGQKMDLEERAKVTSGVRP
                                                                                                  GCPGHCSSYGSICHNGGKCVEKHNGYLCDCTNSPYEGPFCKKEVSAVFEAGTSVTYMFQE
                                                                                                                                                   PYPVTKNISLSSSAIYTDSAPSKENIALSFVTTQAPSLLLFINSSSQDFVVVLLCKNGSL
                                                                                                                                                                                                                            -KWHTLQANKSKHRITLIVDGNAVGAESP
                                                                       GTM-LDVEGLFYLGGLPSQYQARKIGNITHSIPACIGDVTVNSKQLDKDSPVSAFTVNR-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FIGURES
                                                                                                                                                                                                                                                      -FSPEVEFRVIRSLTLGKVTENLGLDSEVAKANAMGFAGCM-
                                                                                                                                                                         -NITLEFRISSONGVLLGISTAKVDAIGLELVDG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and Kindness
                                                                                                                                                                                                    -EETHVFTIDADNFANRRMHHLKINREGRELTIQMD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     from sequence
shown also in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ligand
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SLLNDNQWHYVRAERNLK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 # 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Epithelial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Johnson,
                                                                                                                           -CYAVAQEGTY-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein
E170 protein as translated
of FIGURES 15A-15F, and as
19A-19R
                                                                                                                                                                                                                                                                                                     118
                                                                                                                                                                                                                                                                                                                              307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Christensen, O'Connor,
STREET: 1420 Fifth Avenue
                                                                                                                                                                                                                                                                            HTQSTSVDTNNPIYVGGYPAGVKQKCLRSQT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SSVQYNHIAPLKAALRHATVAP
                                                                                                                                                                                                                                                                                                                            ALIKSPOVOSLDFSRAFELHGVFLHSCPGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MBER: US/08/600,98:
02-SEP-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      an
                                                                                                                                                                                                                            KVLFHVNNGAGRITPAYEPKTATVLCDG-
                                                                                                                                                                                                                                                                                                                                                                                        Sequence 24, Application US/08600982
Patent No. 6120991
GENERAL INFORMATION:
APPLICANT: Carter, William G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Maureen C.
N: Epiligrin,
N: Integrins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Shelton, Dennis K.
REGISTRATION NUMBER: 26,997
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 682-8100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   fING SYSTEM: PC-DOS/MS
ARE: Patentin Release
APPLICATION DATA:
 SPSEITFAIDVGNGPVELVVQSP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEC 12 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 98101-8100
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
                                                 GHFRLQLNSQLFVGGTSSRQK
                                                                                                                                                                                                                                                                                                                                                                                                                                            Gil, Susanna A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          206) 224-0779
SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                43
                                                                                                                                                                                                                                                                                                                                                                                                                                                       CANT: Ryan, Ma
OF INVENTION:
OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC
OPERATING SYSTEM:
SOFTWARE: Patent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            inear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seattle
                                                                                                                                                                                                                                                     -QQLRLSYN
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S-08-600-982-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE
                                                                                                                                                                            GYKVQSDV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET:
CITY: Se
STATE: W
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one One	ery Ma	%; Score 253; DB 3;	
Be: Mai	at Loc ches	%; Pred. No. 1.9e-1 176; Mismatches 4	
<u>ک</u> ۾	93 699	TOGRYGSSDWVTSYSLMFSDTGRNWKQYKQEDSIWTFAGNMNADSVVHH 141      :  : :          TYGRTQNEDFKKALTDADNSVNKLTNKLPDLWRKIESINQQLLPLGNISDNMDRIR 754	
≿ q	142	KLLHSVR-ARFVRFVPLEWNPSGKIGMRVEVYGCSYKSDVADFDGRSSLLYRFNQKL 197 : :	
λ 90	198 808	3 · E	
<b>≿</b> q	257 853	SATLGSLLDDQHWHXVLIERVGKQVNFTVDKHTQHFRTKGETDAL 301 : :  :	
<u>አ</u>	302	DIDYELSFGGIPVPGK-PGTFLKKNFHGCIENLYYNGVNIIXLAKRRKHQIYTVGNV 357 	
<u></u>	358 960	TFSCSEPQIVPITFVNSSGSYLLLPGTPQIDGLSVSFQFRTWNKDGLLLST 408   : ::   ::   ::   THI   : ::   ::   ::	
<u>ک</u> ۾	409	ELSEGSGTLLLSLEGGILRLVIQKMTERVAEILTGSNLNDGLWHSVSINARRNRITLT 466       :  ::      : : :        :  ::    : : ENGDRFISLNIEDGKLMVRYKLNSELPKERGVGDAINNGRDHSIQIKIGKLQKRMWIN 1076	
<u>ک</u> م	467	LDDEAAPPAPDSTWVQIYSGNSYYFGGCPDNLTDSQCLNPIKAFQGCMRLIFIDNQPK 524	
≵ છે	525	DLISVQQGSLGNFSDLHIDLCSIKDRCLPNYCEHGGSCSQSWTTFYCN 572   :   : : : : TSGVVRLNDTVGVTK	
<u>ک</u> و	573 1155	CSDTSYT608	
ž g	609	-SDGSGPLGPLQVYCNITEDKIWTSVQHNNTELTRVRGANPEKPYA 653          :   :     :   TSDSGGPIFKSPQTYMDGLLHYVSVISDNSGLRLLIDDQLLRNSKRLKHISSSR 1262	
<u>ک</u> م	654	MALDYGGSMEQLEAVIDGSEHCEQEVAYHCRRSRLLNTPDGTPFTWWIGRSNERHPYWGG 713 	
<u>ર</u> વ	714	SPPGVQQCECGLDESCLDIQHFCNCDADKDEWTNDTGFLSFKDHLPVTQIVITDTDRSNS 773     :: :     CSLNK	
<u>ک</u> م	774	EAAWRIGPLRCYGDRRFWNAVSFYTEASYLHFPTFH 809 	
کر ور	810	AEFSADISFFFKTTALSGVFLENLGIKDFIRLEISSPSEITFAIDVGNGPVELVVQS 866   ::   :   :   :   :     :	
<u>ک</u> ۾	867	PSLLNDNOWHYVRAERNLKETSLQVDNLPRSTRETSEEGHFRLQLNSQLFVGGTSSRQ 924    :     : :	
≵ ≴	925	KGFLGCIRSLHLNGQKMDLEERAKVTSGVRPGCPGHCSSYG-SIC 968  :  :::  : :	

1147 1667 1607 197 807 19A-19R --WKQYKQEDSIWTFAGNM--NADSVVHH 141 Gaps KLLHSVR-ARFVRFVPLEWNPSGKIGMRVEVYGCSYKSDVADFDGRSSL---LYRFNQKL -IRPRSLTG SAIYTDSAPSKENIALSFVTTQAPSLLLFINSSSQDFVVVLLCKNGSLQVRYHLNKEETH -HNGGKCVEKHNGYLCDCTNSPYEGPFCKKEVSAVFEAGTSVTYMFQEPYPVTKNISLSS -GKVTASMDSGAGGTS **VFTIDADNFANRRMHHLKINREGRELTIQMDQQLRLSYNFSPEVEFRVIRSLTLGKVTEN** 384; translated from sequence of and as shown also in FIGURES Length 1713 1709 Kindness Indels Ligand and #1.25 -13; Score 253; DB 5; Pred. No. 1.9e-13 ; Mismatches 44 Epithelial Johnson, Version -GP----EFKLVES COUNTRY: USA

ZIP: 98101-8100

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Vers:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/10261A
FILING DATE: 02-SEP-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION: Sequence 24, Application PC/TUS9410261A;
GENERAL INFORMATION:
APPLICANT: Carter, William G.
APPLICANT: Gil, Susanna A.
APPLICANT: Ryan, Maureen C.
TITLE OF INVENTION: Epiligrin, an Epit TITLE OF INVENTION: Integrins
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS: -LCVYLEA ADDRESSEE: Christensen, O'Connor, STREET: 1420 Fifth Avenue CITY: Seattle STATE: WA protein E170 protein as ' FIGURES 15A-15F, NAME: Shelton, Dennis K.
REGISTRATION NUMBER: 26,997
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 682-8100
TELEFAX: (206) 224-0779
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 1713 amino acids 176; TQGRYGSSDWVTSYSLMFSDTGRNsch 1 Similarity 19.3%; 241; Conservative 1 SEEGGHVVLAHSVLL acid ILIHIGSQPGKH-MOLECULE TYPE:
DESCRIPTION:
DESCRIPTION:
PCT-US94-10261A-24 TYGRTQNEDF amino RESULT 10 PCT-US94-10261A-24 TOPOLOGY Match Query Match Best Local Matches 24 1542 1574 1608 93 142 696 1028 1088 669 755 ద d 엄 g g g δ δ Q δ δ δ

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οy	198	MSTLKDVISLKFKSMQGDGVLFHGEGORG-DHITLELQKGRLALHLNLGDSKARLSSSLP	256
Dþ	808	NGGTENMFVMYLGNKDASRDYIGMAVVDGQLTCVYNLGDREAELQ	852
οy		SATLGSLLDDQHWHXVLIERVGKQANFTVDKHTQHFRTKGETDAL   : :	301
QΩ	853	VDQILTKSETKEAVMDRVKFQRIYQFARLNYTKGATSSKPETPGVYDMDGRNSNTLL	606
oy B	302	DIDYELSFGGIPVPGK-PGTFLKKNFHGCIENLYYNGVNIIXLAKRRHQIYTVGNV ::	357
ô		KDGLL	408
gg Dp		RRKEESDK	1018
· A	409	ELSEGSGTLLLSLEGGILRLVIOKMTERVAEILTGSNLNDGLWHSVSINARRNRITLT	466
අධ		:  :    :  :    : :         :  :      :   :         :   :         :   :         :	1076
οy	467	APPAPDSTWVQIYSGNSYYFGGCPDNLTDSQCLNPIKAFQGCMRLIFI	524
Db	1077	:  : :: :	1123
οy	525	DLISVQQGSLGNFSDLHIDLCSIKDRCLPNYCEHGGSCSQSWTTFYCN	572
DÞ	1124	TSGVVRLNDTVGVTKTSGVVRLNDTVGVTK	1154
οy	573 (	CSDTSYTGATCHNSIYEQSCEVYRHQGNTAGFFYID	809
qq	1155 (	GGQLSFTDLGLPPTDHLQASFGFQTFQPSGILLDHQTWTRNLQVTLEDGYIELS	1208
Οy	609	-SDGSGPLGPLQVYCNITEDKIWTSVQHNNTELTRVRGANPEKPYA	653
qq	1209	TSDSGGPIFKSPQTYMDGLLHYVSVISDNSGLRLLIDDQLLRNSKRLKHISSSR	1262
oy .		MALDYGGSMEQLEAVIDGSEHCEQEVAYHCRRSRLLNTPDGTPFTWWIGRSNERHPYWGG	713
<del>Q</del>		QSLRLGGSNFEGCISNVFVQRLSLSPEVLDLTSNSLKRDVSLGG	1306
δλ	714	SPPGVQQCECGLDESCLDIQHFCNCDADKDEWTNDTGFLSFKDHLPVTQIVITDTDRSNS	773
qq	1307	PPFLMLLKGSTRFNK	1326
οy	774	EAAWRIGPLRCYGDRRFWNAVSFYTEASYLHFPTFH	809
qq	1327	TKTFRINQLLQDTPVASPRSVKVWQDACSPLPKTQANHGALQFGDIPTSHLLFKLPQELL	1386
οy	810		866
QΩ	1387 F	KPRSQFAVDMQTTSSRGLVFHTGTKNSFMALYLSK-GRLVFALGTDGKKLRIKS	1439
οχ	867 E	Д	924
Ωp	1440 F	KEKCNDGKWHTVVFGHDGEKGRLVVDGLRAREGSLPGNSTISIRAPVYLGSPPSGKPK	1497
οy	925	KGFLGCIRSLHLNGQKMDLEERAKVTSGVRPGCPGHCSSYG-SIC	896
QQ	1498	SLPTNSFVGCLKNFQLDSKPLYTPSSSFGVSSCLGGPLEKGIYF	1541
٥y	- 696	DCTNSPYE	1027
qq	1542 8	SEEGGHVVLAHSVLLEFKLVFSIRPRSLTG	1573
οy	1028 9	SAIYTDSAPSKENIALSFVTTQAPSLLLFINSSSQDFVVVLLCKNGSLQVRYHLNKEETH	1087
QQ	1574 ]	ILIHIGSQPGKHLCVYLEAGKVTASMDSGAGGTS	1607
ογ	1088 \	VFTIDADNFANRRMHHLKINREGRELTIOMDOOLRLSYNFSPEVEFRVIRSLTLGKVTEN	1147
QQ	1608 1	TSVTPKQSLCDGQWHSVAVTIKQHILHLELDTDSSYTAGQIPFPPASTQEPLHLGGAPAN	1667
ζά	1148 I	L-GLDSEVAKANAMGFAGCMSSVQYNHI-APLKAALRHATVAPVTVHG 1193	

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1014
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       --NCEVNVDDCEDNDCENNS--TCVDGIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SDTSYTGATCHNSIY
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                                                                                                                                                                                                                                                                                                                                                                                       206;
                                                                                                                                                                                                                                                                                                                                                                                                                            KDGLLLSTELSEGSGTLLLSLEGGILRLV----IQKMTERVAEILTGSNLN----
                                                                                                                                                                                                                                                                                                                                                               Length 1525;
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           1709
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                                                                                                                                                         Interactions
--FFGCLRNIHVNHIPVPVTEALE--VQGPVSLNG
                                                                                                                                                                                                                                                                                                                                                              ore 248; DB 3;
ed. No. 4.4e-13;
Mismatches 286;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | | : |:|:
--YTGELCEEKLDFCAQDLNPCQHD--
                                                                                                                                                                                                                                                                                                                                                                                                               -ITFVNSSGSYLLLPGTPQ-
                                                               Sequence 2, Application US/09191647

Patent No. 6046015

GENERAL INFORMATION:
APPLICANT: Goodman, Corey
APPLICANT: Kid, Thomas
APPLICANT: Brose, Katja
APPLICANT: Tessier-Lavigne, Marc
TITLE OF INVENTION: Modulating Robo: Ligand Int
FILE REFERENCE: B98-031-3
CURRENT APPLICATION NUMBER: US/09/191,647

CURRENT FILING DATE: 1998-11-13
EARLIER FILING DATE: 1998-04-07

NUMBER OF SEQ ID NOS: 14

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 2

LENGTH: 1525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -FLSFKDH--LPVTQIVITDTDRSNSEAAWRIGPLRC--
                                                                                                                                                                                                                                                                                                                                                               Score Pred.
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                                                                                                                                                                                                                                                                                                                                                                                     95;
                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 22.3%;
Matches 168; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LWHSVSINARRNRITL----
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NYTCLCPPE-
                                                                                                                                                                                                                                                                                                              ORGANISM: human-09-191-647-2
                                             RESULT 11
US-09-191-647-2
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                 S-AIYSVETINDGNFHIVELLALDQSLSLSVDGGNPKIITNLSKQS--TLNFDSPLYVGG
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  ELVVQSPSLLNDNQWHYVRAERNLKETSLQVD-NLPRSTRETSEEGHFRLQLNSQLFVGG
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                                                                                                                                                                                                                                                                                APPLICANT: Kid, Thomas
APPLICANT: Brose, Katja
APPLICANT: Brose, Katja
APPLICANT: Tessier-Lavigne, Marc
TITLE OF INVENTION: Modulating Robo: Ligand Interactions
FILE REFERENCE: B98-031-3
CURRENT APPLICATION NUMBER: US/09/540,245A
CURRENT FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: 60/065,544
PRIOR APPLICATION NUMBER: 60/081,057
PRIOR FILING DATE: 1998-04-07
NUMBER OF SEQ ID NOS: 20
SOFTWARE: Patentin Ver. 2.0
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4.4e-13;
ches 286;
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Mismatches
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Pred. No. 4
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APPLICANT: GOODMAN
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LENGTH: 1525
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US-09-540-245A-2
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43; 1222 1104 1164 696 860 127 449 819 493 879 546 913 800 919 965 400 588 Gaps 9d---IDGLSVSFQFRTWN --LFCEFSPPMVLPRTSPCDNFDCQNGAQCIVRINEPICQCLPGYQGEKCEKLVSVNFINKE SYLHFPTFHAEFSADISFFFKTTALSGVFLENLGIKDFIRLEISSPSEITFAIDVGNGPV SYLQIPSAKVRPQTNITLQIATDEDSGILLYK-GDKDHIAVELYR-GRVRASYDTGSHPA ELVVQSPSLLNDNQWHYVRAERNLKETSLQVD-NLPRSTRETSEEGHFRLQLNSQLFVGG S-AIYSVETINDGNFHIVELLALDQSLSLSVDGGNPKIITNLSKQS--TLNFDSPLYVGG -KGFLGCIRSLHLNGQKMDLEERAKVTSGVRPGC-PGHCSSYG --C--PDNLTDSQCL-NPIKAF--QGCMRLIFIDNQPKDLISVQQGSLGNFSDLHIDLCS -SDTSYTGATCHNSIY --- DSTWVQIYSGNSYYFGG--FYTEA 206; --NOE Length 1525 -YGDRRFWNAVS-KDGLLLSTELSEGSGTLLLSLEGGILRLV - - - IQKMTERVAEILTGSNLN - -Indels GNDDNSCSPLSRCPTECTCLDTVVRCSNKGLKVLPKGIPRDVTELYLDG-Interactions 286; -ITFVNSSGSYLLLPGTPQ-248; DB 4 No. 4.4e-1 1000 4 --TLDDEAAPPAP----PVD Ligand ed. No. 4.46 Mismatches -LPVTQIVITDTDRSNSEAAWRIGPLRC :| :| :| : | : | : | : | KVCAHGTCQPSSQAGFTCECQEG-WMGPLCDQRTN SICHNGGKCVEKHNGYLCDCTNSPYEGPFCKKEVS CURRENT FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: 09/191,647
PRIOR FILING DATE: 1998-11-13
PRIOR APPLICATION NUMBER: 60/081,057
PRIOR FILING DATE: 1998-04-07
NUMBER OF SEO ID NOTE: Н Robo: Score Pred. IKDRCLPNYCEHGGSCSQSWTTFY-CNC-Sequence 2, Application US/09540153; Patent No. 6270995; GENERAL INFORMATION:
APPLICANT: Goodman, Corey
APPLICANT: Kid, Thomas
APPLICANT: Brose, Katja
APPLICANT: Tessier-Lavigne, Marc
TITLE OF INVENTION: Modulating Rob; FILE REFERENCE: B98-031-3 ARCAGPGEMADKLLLTTPSKKFTCQG-APPLICANT: Brose, Katja
APPLICANT: Tessier-Lavigne, Marc
TITLE OF INVENTION: Modulating R
FILE REFERENCE: B98-031-3
CURRENT APPLICATION NUMBER: US/09,
CURRENT FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: 09/191,
PRIOR FILING DATE: 1998-11-13 95; 3.6%; larity 22.3%; Conservative LWHSVSINARRNRITL----GNVTFSCSEPQIVP -TSSROil Similarity 168; Conser PatentIn human -FLSFKDH-1525 ULT 13 09-540-153-2 Query Match Best Local S Matches 168 PRT ORGANISM:-09-540-153 SOFTWARE ENGTH 1165 1280 355 711 450 880 547 914 1056 751 1105 223 920 996 401 763 820 494 861 TYPE: 801 g g g g a a g g qq ò Q Q Q δ ò δ ò ð οŽ ο

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EQSCEVYRHQGNTAGFFY IDSDG-SGPLGPLQVYCNITEDKIWTSVQHNNTELTRVRGAN
                            --TCVDGIN
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                                                        -PEKPYAMALDYGGSM--EQLEAVIDGSEHCEQEVAYHCRRSRLLNTPDGTPFT
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                                                                                                               -NDTG
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                                                                                 ----YTGELCEEKLDFCAQDLNPCQHD-
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                                                                                                                                                                  -FLSFKDH--LPVTQIVITDTDRSNSEAAWRIGPLRC
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STREET: 777 Old Saw Mill Road
CITY: Tarrytown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 32, Application US/08644271; Patent No. 5814478; GENERAL INFORMATION:
APPLICANT: Valenzuela, et al.
TITLE OF INVENTION: NOVEL TYROSINE KI
TITLE OF INVENTION: AND LIGANDS
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
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                            -LKEGEEDGFWCICADGFEGE-
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3R: REG
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TELECOMMUNICATION INFORMATION
TELEPHONE: 914-345-7400
TELEFAX: 914-345-7721
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ATTORNEY/AGENT INFORMATION:
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MEDIUM TYPE: Diskett
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OPERATING
SOFTWARE:
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Patent No. 6150502

GENERAL INFORMATION:
APPLICANT: Watson, James D.
APPLICANT: Strachan, Lorna
APPLICANT: Sleeman, Matthew
APPLICANT: Onrust, Rene
TITLE OF INVENTION: Compositions Isolated From Skin Cel
TITLE OF INVENTION: and Methods For Their Use
FILE REFERENCE: 11000.1011c1
CURRENT APPLICATION NUMBER: US/09/188,930A
CURRENT FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 348
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                  KETSLQVDNLPRSTRETSEE - - - GHFRLQLNSQLFVGGTSSRQK - -
                                                                                                                                                               Score 235.5; DB 2;
Pred. No. 8.2e-13;
71; Mismatches 193;
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OTHER INFORMATION:
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TYPE: amino acid
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TOPOLOGY: linear
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                                                                  Length 771;
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Best Local Similarity 23.4%; Pred. No. 2.8e-12;
Matches 130; Conservative 73; Mismatches 191;
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; FEATURE:
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APPLICATION NUMBER: US PCT/US 9-FILING DATE: 21-SEP-1994
PRIOR APPLICATION DATA: APPLICATION NUMBER: US 07/472,3 FILING DATE: 30-JAN-1990
PRIOR APPLICATION DATA: APPLICATION NUMBER: US 07/919,9 FILING DATE: 27-JUL-1992
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Jolla Village
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(619) 535-9001
(619) 535-8949
FOR SEQ ID NO: 1:
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REGISTRATION NUMBER: 31,81:
REFERENCE/DOCKET NUMBER: P
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APPLICANT: Leivo, Ilmo
TITLE OF INVENTION: Nucle
TITLE OF INVENTION: Fragm
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and
STREET: 4370 La Jolla V
CITY: San Diego
STATE: California
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SOFTWARE: Patentin Rel
CURRENT APPLICATION DATA
APPLICATION NUMBER: US
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
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Sequence 1, Application
Patent No. 5837496
GENERAL INFORMATION:
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                                                                                                                                                                                            app_
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                                                                                                                                       Command line parameters:
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-Q-/Cgn2_1/USPTO_Spool/US09770643/runat_11042002_134346_1278/app
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-QGAPEXT-4.000 -MINMATCH-0.100 -LOOPEXT-0.000
-QGAPOP-4.500 -QGAPEXT-0.050 -XGAPOP-10.000 -XGAPEXT-0.500
-GAPOP-6.000 -FGAPEXT-7.000 -YGAPOP-10.000 -YGAPEXT-0.500
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-DEV_TIMEOUT-120 -WARN_TIMEOUT-30 -NO_XLPXY -WAIT -THREADS-1
       Q,
                                                                                      4
                                                                                      version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Strd Orig 2Score EScore Len | 1692 |
Squence | Strd Orig 2Score | EScore Len | 1690.26 |
Squence | Squence | Strd Orig 2Score | Sequence |
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Sqn2_6/ptodata//ina/6A_COMB.seq:uS-
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                                                                                  the GenCore Compugen Ltd
   ssued_Patents
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Search time (sec): 108.390000
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sed_name:	/cgn2_6/ptodata/1/ina/5B_COMB.seq:US-08-125-077-1	
seq_document; Sequence 1 Patent No. Patent No. GENERAL II APPLICA! APPLICA! TITLE OI TITLE OI TITLE OI TITLE OI CORRESPONTI STATE COMPUTEI	cumentation_block:  ence 1, Application US/08125077  tt No. 5872231  st No. 5872231  tt No. 5872231  st No. 1 mocleic Acids Encoding Merosin, Merosin, Interest of Invention: Fragments and Uses Thereof  st No. 5872231  st No. 5872231  st No. 5872231  st No. 1 mocleic Acids Encoding Merosin, Merosin, Merosin St No. 533  st No. 5874232  st No. 587231  st No. 587232  st No. 587323  st No. 58732  st No. 587323  st No. 58732  st No. 587323  st N	s u

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Percent Identity:
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                                                          94/10730
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                                        PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US PCT/US 94/10
FILING DATE: 21-SEP-1994
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 07/919,951
FILING DATE: 27-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LA 9721
                                                                                                                                                                                      9721
ATION DATA:
NUMBER: US/08/125,077
22-SEP-1993
NN: 435
                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3554 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                alignment_block:
US-09-770-643A-2 x US-08-125-077-1
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   Quality:
    Ratio:
   Percent Similarity:
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; LOCATION:
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408	STTAAAAACCGTCTCACAATTGAGTTGGAA	2445
7	TILALIDERADEADLASTINETHUNDERANISTANCONO INTENIO	000

	2446	GTAAGAACCGAAGCTGAATCCGGCTTGCTTTTTACAT	2483
	830	luAsnLeuGlyIleLysAspPheIleArgLe	847
	2484	GGCTGCGATCAATCATGCTGATTTTGCAACAGTTCAGCTGAGAAATGGAT	2533
	847	healalleaspvalGlyAsnGlyProvalGluLeuv	863
	2534	AGCTATGACTTGGGGAGT	258(
	864	ValGlnSerProSerLeuLeuAsnAspAsnGlnTrpH1sTyrValArgAl::: ::!	880 2624
	880	aGluArgAsnLeuLysGluThrSerLeuGlnValAspAsnLeuProArgS     ::: ::	897
	897	ThrargGluThrSerGluGluGlyHisPheArgLeuGlnLeuAsnSe	
-	2669		2718
	914	GlnLeuPheValGlyGlyThrserSerArgGlnLysGl:::    :::	926 2768
	926	heLeuGlyCysIleArgSerLeuHis	938
	2769	:::       ::	2818
	938	lyGlnLysMetAspLeuGluGluArgA	954
	2819	AGCCCCTGCCGATC	2847
	955	ProGlyCysProGlyHisCysSerSerTyrGlySerIleCysHisAsnGl	971 2864
	971	sCysValGluLysHisAsnGlyTyrLeuCysAspCysThrAsn. :::::: :::::::!	988
	C097	NCATGITITIC CARAIGCICAGAGG	
	988	erProTyrGluGlyProPheCysLysLysGluValSerAlaValPheGlu:::::::	1004
	1005	AlaGlyThrSerValThrTyrMetPheGlnGluProTyrProValThrLy:::    ::::::         ::::::   GTGGGATTGGACCTTCTTGTAGAATTTGAA	1021 297(
	1021	sAsnIleSerLeuSerSerAlaIleTyrThrAspSerAlaProSerL	1038
	2970		2970
	1038	ValThrThrGlnAlaProSerLeuL	1054
	2971	CGCGACAAC	3000
	1055	LeuPheIleAsnSerSerGlnAspPheVal	1065 3050
	1066	ValValLeuLeuCysLysAsnG	1074
	3051	TGAAAAGTTGATGTTCATGTGGACAATGGTGCGGGCAGATTCACTGCTG	3100
	1075	LeuGlnValArgTyrHisLeuAsnLysGluGluThrHisVal	1088
	3101	TCTATGATGCTGGGGTTCCAGGGCATTTGTGTGATGGACAATGGCATAAA	3150
	1089	PheThrIleAspAlaAspAsnPheAlaAsnArgArgMetHisHisLeuLy	1109

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82	32 24 92	36												
<pre>GTCACT</pre>	3183 GCTCACAGTCGAACCAGGTGGAAGCCCAAAGCCCCAAACCCCAGCAT 323 1122 rgLeuSer	125 CIACAICAGCIGACAGAGCCIGIGIIGGAGGCIICCCAGAI 32 125TyrAsnPheSerProGluValGluPheArgValil 11 :::::::        283 GACCICAAGCAGTTTGGCCTAACAACCAGTATTCCGTTCCG	1136 eArgSerLeuThrLeuGlyLysValThr 1145 	seq_name: /cgn2_6/ptodata/1/ina/backfiles1.seq:5444158-1	seq_documentation_block: ;Patent No. 5444158 ; APPLICANT: ENGVALL, EVA;SANES, JOSHUA TITLE OF INVENTION: MEROSIN, NUCLEIC ACIDS ENCODING, ;FRAGMENTS AND USES THEREOF ; NUMBER OF SEQUENCES: 4 ; CURRENT APPLICATION DATA: ; APPLICATION NUMBER: US/08/87,642 ; FILING DATE: 08-JUL-1993 ; PRIOR APPLICATION DATA: ; APPLICATION NUMBER: 587,689 ; FILING DATE: 24-SEP-1990 ; FILING DATE: 30-JAN-1990 ; SEQ ID NO:1: ; LENGTH: 3554 5444158-1	alignment_scores:     Quality: 326.50	alignment_block: US-09-770-643A-2 x 5444158-1	Align seg 1/1 to: 5444158-1 from: 1 to: 3554	205 IleSerLeuLysPheLysSerMetGlnGlyAspGlyValLeuPheHis 220     :::::     ::: 577 ATTGTTGTAAGACAGCTGTTGCTGATAACCTCCTTTTTATCT 626	221 .GlyGluGlyGlnArgGlyAspHisIleThrLeuGluLeuGlnLysGlyA 237    ::::::::    :::     :   TGGAAGTGCCAAATTTATTGACTTTCTGGCTATAGAAATGCGTAAAGGCA 676	237 rgLeuAlaLeuHisLeuAsnLeuGlyAspSerLysAlaArgLeuSerSer 253 ::::::::::::::::::::::::::::::::::::	254 SerLeuProSerAlaThrLeuGlySerLeuLeuAspAspGlnH1sTrpHi 270 :::      :::     :: 721 GAGTACCCAGATTTGACTATTGATGACTCATATTGGTA 758	270 s***ValLeuIleGluArgValGlyLysGlnValAsnPheThrValAsp. 286 : ::::: :::!  :::   :::    759 CCGTATCGTAGCATCAGAACTGGGAGAATGGAACTATTTCTGTGAGAG 808	287

1616	CCGATTATGTTGG	1604
546	InGlnGlySerLeuGlyAsnPheSerAspLeuHisIleAspLeuCy	530
530 1603	sMetArgLeullePhelleAspAsnGlnProLysAspLeulleSerValG  ::::::         :::::       CCTCAAAGATATTGAAGAACTCCGTACAATATACTCAGTAGTC	513
5	TIGAGTATGAAAGCCAGAAGTAAATCTGAAGAAATATTC	1504
513	AspSerGlnCysLeuAsnProIleLysAlaPheGlnGlyC	500
499 1503	leTyrSerGlyAsnSerTyrTyrPheGlyGlyCysProAspAsnLeuThr::::::::::::::::::::::::::::::::::::	483
1453	GGAGGAGAATATAGCAACTTCGTCTTGGAAACAACTTTGGTCTTGACT	1404
٠ .		
467	AlaArgArgAsnArgIleThrLeuThrLeu	458
1353	::::::::::::::::::::::::::::::::::::::	1304
457	euThrGlySerAsnLeuAsnAspGlyLeuTrpHisSerValSerIleAs	441
441 1303	ylleLeuArgLeuValIleGlnLysMetThrGluArgValAlaGluIleL 	1290
(3	:::      :::::      GTGGAGCTCACTGATGGGCACATAAAAGTCAGTTACGATCTGGGCT	1240
1239	GTGCTCTTCTGATGTATCTTGCCACGAGACCTGAGAGATTTCATGAG	1190
407	spGlyLeuLeuLeuSer	402
-	GTACCCCAACATCTCCACTGTCATGTTCAAGTTCAGAACATTTCTTC	1140
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389	ProglnIleAspGly	385
1089	ATAGTGAGGGA	1076
384	rolleThrPheValAsnSerSerGlySerTyrLeuLeuLeuProGlyThr	368
1075	GTGACTGCAAAGGATGCACTGTCAGTCCTCTCAGG	1036
368	eTyrThrValGlyAsnValThrPheSerCysSerGluProGlnIl	351
351 1035	<pre>TyrasnGlyValasnIleIle***LeualaLysArgArgLysHisGlnIl ::::::::             TTTGACAACAAACCTATAGGTTTGTGGAATTTCCGAGAAAAGAA</pre>	335 991
066	CTGATGCTGTACGTGTGATTACATTCACTGGC	941
334		325
324	<pre>3 rPheGlyGlyIleProValProGlyLysProGlyThrPheLeuLysLys.</pre>	308 909
308	ThrLysGlyGluThrAspAlaLeuAspIleAspTyrGluLeuSe 	294 859

547 IleLysAspArgCysLeuProAsnTyrCysGluHisGlyGlySerCysSe 563

2361	GCAGTTCGGGCTTTCAAGAACAGTCACATTGCAATTGCATTTGATG	2407
799	luAlaSerTyrLeuHisPheProThrPheHisAlaGluPheSerAlaAsp	815
2408	ACACCAAAGTTAAAAACCGTCTCACAATTGAGTTGGAA	2445
816	hrThrAlaLeuSerG	830
2446	CGGCTTGCTTTTTACA	2483
830	<pre>uGluAsnLeuGlyIleLysAspPheIleArgLeuGluIleSerSerProS : ::::::::::: GGCTCGCATCATGCTGATTTTGCAACAGTTCAGCTGAGAATGGAT</pre>	847
847	SluIleThrPheAlaIleAspValGlyAsnGlyProValGluLeuV	9
2534	::::::::::::::::::::::::::::::::::	ហ
864	ValGlnSerProSerLeuLeuAsnAspAsnGlnTrpHisTyrValArgAl:::	880 2624
880	<pre>LuArgAsnLeuLysGluThrSerLeuGlnValAspAsnLeuProA         : : : : : :                    </pre>	897
2625	AGTAAGCAAGAAGGAATTCTTTATGTAGATGGGGCT	2668
897	erThrArgGluThrSerGluGluGlyHisPheArgLeuGlnLeuAsnSer   :::	913
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938	.ActeAcctAttacAttacttacctcAcsAAtctcAC 31nLysMetAspLeuGluGluArqAlaLysValThrSerGl	2515 954
2819	SCCCCTGCCGATCTGGAACAACCCACC	σο
955	rSerTyrGlySerIleCysHis.	7
2848	CCAGCTTCCATGTT	2864
971	yGlyLysCysValGluLysHisAsnGlyTyrLeuCysAspCysThrAsnS : ::::: ::!!!	988 2893
988	erProTyrGluGlyProPheCysLysLysGluValSerAlaValPheGlu::::::::    	1004
1005	aGlyThrSerValThrTyrMetPheGlnGluProTyrProValThrL	0
2941	TITEGACCTICTTGTAGAATTTGAATTCCGCACAACTACACG	9
1021	SerSerSerAlaIleTyrThrAspSerAlaProSe	1038
2991	SAGTTCTTGGGGATCAGTAGTCAAA	3022
1038	<pre>31uAsn1leAlaLeuSerPheValThrThrGlnAlaProSerLe :::::::::::::::::::::::::::::::::::</pre>	0
3023	SATGGAATGGGT,	3063
1055	<pre>LeuPheIleAsnSerSerSerGlnAspPheValValLeuLeuCysLy ::: ::::::::::::: TTTCATGTGGACAATGGTGCGGCAGATTCACTGCTGTCTAT</pre>	1071 3105
1071	sAsnGlySerLeuGlnValArgTyrHisLeuAsnLysGluGluThrHisV	1088
3106	:::	3148

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......ATCCAGACAGAT
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| GATGGTCTTCATGGGATACAGAGGTGATATTGATGCTATGATCAGTAG
                                                                                                                                                                                               LeuGlyAsnArgValGluIleThrAlaValAlaThrGlnGlyArgTyrGl
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2554	SET	2603
249	laArgLeuSerSerLeuProSerAlaTh	Ŋ
2604		2632
266 2633	AspGlnHisTrpHis***ValLeuIleGluArgValGlyLysGln ::::::::::::::::::::::::::::::::	280 2682
281 2683		292 2732
292	heArgThrLysGlyGluThrAspheArgThrLysGlyGluThrAspAla :::             CAGAACACCGGAGTCTATGATAGGATAGGAATACACTC	300
301	_	314 314 2832 ·
314 2833	<pre>lProGlyLysProGlyThrPheLeuLysLysAsnPheHisGlyCysI                TGATTTTAAACTTCCCAGTCGACTAAGTTTCCCTCCATACAAAGGTTGTA</pre>	0 &
330	leGluAsnLeuTyrTyrAsnGlyValAsnIleIle***LeuAlaLysArg 	346 2929
347	ArgLysHisGlnIleTyrThrValGlyAsnValThrPheSerCysSerGl:::           ::: ::: AAAAAAAAATCTCAACAC	363 2952
363 2953		371 3002
371 3003	heValAsnSerSerGlySerTyrLeuLeuLeuProGlyThrProGlnIle :: :::::::             ATTTTGAAGGTACGGGCTATGCTCGAGTTCCAACTCAACCACATGCT	387 3049
388 3050	AspGlyLeuSerValSerPheGlnPheArgThrTrpAsnLysAspGlyLe:::::    	404 3099
404	uLeuLeuSerThrGluLeuSerGluGlySerGlyThrLeuLeuLeuSerL      :: ::     CTGTTCTTTGCAGAAAACGGGGATCGCTTCATATCTCTAAATA	421 3143
421		437 3193
438	AlaGluIleLeuThrGlySerAsnLeuAsnAspGlyLeuTrpHisSerVa      ;::   ::: ::      AAAGAGAGGTTGGAGACGCCATAAACAACGGCAGAGACCATTCGAT	454 3243
454	SerIleAsnAlaArgArgAsnArgIleThrLeuThrLeuAspAspGluA   :::    :::	471 3293
471	<pre>laAlaProProAlaProAspSerThrTrpValGlnIleTyrSerGlyAsn :: ::::::::::::::::::::::::::::::::::</pre>	487 3334
488 3335	SerTyrTyrPheGlyGlyCysProAspAsnLeuThrAspSerGlnCysLe:::       :::	504 3384
504	uAsnProlleLysAlaPheGlnGlyCysMetArgLeuIlePheIleAspA	521

	3385	TTCTACGCCTGCTTTCCGAGGCTGCATGAAAA	3416
	521	snGlnProLysAspLeuIleSerVal	529
	3417		3466
	530	GlnGlnGlySerLeuGlyAsnPheSerAspLeuHisIleAspLeuCysSe	546
	3467	ACCAAA	3472
	546	Ο	563
	3473	AAGIGCT	3479
	563	nSerTrpThrThrPheTyrCysAsnCysS	575
	3480	SAAGACTGGAAGCTTGTGCGATCTGCCTCATTCTCCAGAGGAGGACA	3529
	576	Thr	579
	3530	GTTTCAC	3579
	580	GlyAlaThrCysHisAsnSerI	587
	3580	CATATTATTAGATCATCA	3629
	587	lnSerCysGluValTyrArgH	603
	3630	CACTCTGGAAGATGG	3667
	604	PhePheTyrIleAspSerAspGlySerGlyProLeu	615
	3668	ACATTGAATTGAGCACCAGCGATAGCGGCGGCCC	3711
٠	616	yPro	624
	3712	GTTTACTGCATTATGTATC	3759
	4760	eThrGluAspLysIleTrpThrSerValGlnHis.AsnAsnThrGluLeu::: ::: ::::     :::::	640
	641	qValArqGlvAlaAsnProGluLvsProTvrAlaMetAlaLeu	· ·
	3806	AAATAGCAAAAGGCTAAAACACATTTCAAGTTCCCGGCAGTC	$\boldsymbol{\omega}$
	657	yGlySerMetGluGlnLeuGluAlaValIleAspGlySerG	674
	3856	TCTGGGCGGGAGCAATTTTGAGG	3878
	674	CysGluGlnGluValAlaTyrHisCysArgArgSerArgLe	069
	3879	IGTATTAGCAATGTTTTTGTCCAGAG	3916
	691	ThrProAspGlyThrProPheThrTrpTrpIleGlyArgSerAsnGluAr:::   :::    :::	707 3957
	707	isProTyrTrpGlySerProProGlyValGlnGlnCysGluCys	724
	3958		3980
	724	lyLeuAspGluSerCysLeuAspIleGlnHisPheCysAsnCysAspAla	740
	3981	TTAAACAA	3991
	741	AspLysAspGluTrpThrAsnAspThrGlyPheLeuSerPheLysAspHi	757
	3991		3991
	757	sLeuProValThrGlnIleValIleThrAspThrAspArgSerAsnSerG	774
	3992	ccaccttttctaatgttgcttaaaggttctaccaggtttaacaaga	4037

774	lualaalaTrpArgIleGlyProLeuArgCys	784
000	CCAAGACTTTCGTATCAACCAGCTGTTGCAGGACACACCAGTGGCCTCC	408/
785	TyrGlyAspArgArgPheTrpAsnAlaValSerPheTyrTh ::: ::    :::      CCAAGGAGCGTGAAGGTGCAAGATGCTTGCTCACCACTTCCCAAGAC	798 4137
798 4138	rGluAlaSerTyrLeuHisPheProThrPheHis.  :::   ::::	809 4187
810	AlaGluPheSer	813
4188	TGCTATTCAAGCTTCCTCAGGAGCTGCTGAAACCCAGGTCACAGTTTGCT	4237
814 4238	AlaAspIleSerPhePheLysThrThrAlaLeuSerGlyValPheLe:::     :::	830 4275
830 4276	<pre>uGluAsnLeuGlyIleLysAspPheIleArgLeuGluIleSerSerProS :::::: TCACACGGGCACTAAGAACTCCTTTATGGCTCTTTATCTTTCAAAAG</pre>	847 4322
847	erGluIleThrPheAlaIleAspValGlyAsnGlyProValGluLeuVal	863
4323	GACGTCTGGTCTTTGCACTGGGGACAGATGGGAAAAATTGAGG	4366
864	ValGlnSerProSerLeuLeuAsnAspAsnGlnTrpHisTyrValArgAl::::::    ::	880 4416
880	aGluArgAsnLeuLysGluThrSerLeuGlnValAspAsnLeuProArgS	897
4417	TGGCCATGATGGGGAAAAGGGGCGCTTGGTTGTGGATGGA	4460
897	erThrArgGluThrSerGluGluGlyHisPheArgLeuGlnLeuAsnSer:::	913 4510
914	GlnLeuPheValGlyGlyThrSerSerArgGln	924 4560
925 4561	.LysGlyPheLeuGlyCysIleArgSerLeuHisLeuAsnGlyGlnLysM ::::::    :::             AAACAGCTTTGTGGGATGCCTGAAGAACTTTCAGCTGGATTCAAAACCCT	941 4610
941	<pre>etAspLeuGluGluArgAlaLysValThrSerGlyValArgProGlyCys :: ::    :::      </pre>	957
4611	TGTATACCCCTTCTTCAAGCTTCGGGGTGTCTTCCTGCTTGGGTGGT	4657
958 4658	<pre>ProGlyHisCysSerSerTyrGlySerIleCysHisAsnGlyGlyLysCy         :::</pre>	974 4701
974	sValGluLysHisAsnGlyTyrLeuCysAspCysThrAsnSerProTyrG               :::	991
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4727	<pre>LuciyriornecysLysciuvaiseralavairneciuAlaciyinr           </pre>	100/ 4753
1008	SerValThrTyrMetPheGlnGluProTyrProValThrLysAsnIleSe	1024
4754		4767
1024	rLeuSerSerAlaIleTyrThrAspSerAlaProSerLysGluAsnI  {  ::::::    :::  TCTCACTGGGATCCTAATACATCGGAAGTCAGCCCGGGAAGCAC	1041

- 11	4] leAlaLeuSerPheValThrThrGlnAlaProSerLeuLeuLeuPheIle 105      ::::::::	_
	G 482	ω
	${\tt SerSerGInAspPheValValValLeuLeuCysLysAsr}$	<#
	AGGCAGGAAA 483	φ
	1074 rLeuGlnValArgTyrHisLeuAsnLysGluGluThrHisValPheThrI 1091 ::: :: :: :: :: 4840 GGTCACGGCCTCTATGGACAGTGGGGCAGGTGGGACCTCAACGTCGGTCA 4889	- 6
	091 leAspAlaAspAsnPheAlaAsnArgArgMetHisHisLeuLysIleAsn 110	7
	890 CACCAAAGCAGTCTCTGTGTGATGGACAGTGGCACTCGGTGGCAGTCACC 493	σ.
	1108 ArgGluGlyArgGluLeurnrileGlnMetAspGlnGlnLeuArgLeuse 1124 ::: :::     :::     :: 4940 ATAAAACAACATCCTGCACCTGGAACTGGACAGACAGTAGCTACAC 4989	er on
	1124 rTyrAsnPheSerProGluValGluPheArgValIleArgSerLeuThrL 1141 : :::       4990 AGCTGGACAGATCCCCTTCCCACCTGCCAGCCACTCAAGAGCCACTACACC 5039	
	1141 euGlyLysValThrGluAsnLeuGlyLeuAspSerGluValAlaLys.1156        :::         5040 TTGGAGGTGCTCCAGCCAATTTGACGACACTGAGGATCCCTGTGTGGAAA 5089	io m
	1157 AlaAsnAlaMetGlyPheAlaGlyCysMetSerSerValGlnTyrAsnHi 1173 :::	m ~
	1173 sIleAlaProLeuLysAlaAlaLeuArgHisAlaThrValAlaProV 1189       :::   :::	6 -
	1189 alThrValHisGly 1193   ::::::::    5172 TCAGTCTGAATGGT 5185	
	seq_name: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:PCT-US94-10261A-2	23
	<pre>seq_documentation_block    Sequence 23, Applicat    GENERAL INFORMATION:    APPLICANT: Carter</pre>	
unitina.	, Susanna A. n, Maureen C. ION: Epiligr	
	TITLE OF INVENTION: Integrins NUMBER OF SEQUENCES: 30 CORRESPONDENCE ADDRESS:	
	ADDRESSEE: Christen STREET: 1420 Fifth	
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	ZIP: 98101-8100 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy di	
	COMPUTER: IBM PC OPERATING SYSTEM: SOFTWARE: Patent	
	APPLICATION DATA: CATION NUMBER: PCT/US94/10261A G DATE: 02-SEP-1994	
	ION:	
	lton, Dennis K. ON NUMBER: 26, ATION INFORMATI	
	TELEPHONE: (206) 682-8100 TELEFAX: (206) 224-0779	

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FIGURES 15A-15F
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GATGGTCTTCATGGGATACAGAGGTGATATTGATGCTATGATCAGTAG
                                                                                                                                                                                                                                                                                                                                                       |||| ||||:::|||
TGCAAAGAGCATGGTCAGAAAGGCCAACGACATCACAGATGAGGTTCTGG
                                                                                                                                                                                                                                                                                                                                                                              :::III | IIÎ
                                                                                                                                                                                                                                                                                                                                                                                                                rgPheValProLeuGluTrpAsnProSerGlyLysIleGlyMetArgVal
|||||||:::::::|||
|TTGCTGTCCCCATGAGGTTCAAT.....GGTAAATCTGGAGTCGAAGTC
                                                                                                                                                                                                                                                              rgAsn.....TrpLysGlnTyrLysGln
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                                                                                                                                                                                                         PCT-US94-10261A-23
                                                                                                                                                                                                                                                    ACAGCAAACCCTGAATATTGTGACAGT
  ••
                                     TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
DESCRIPTION: Sequence of
 23
INFORMATION FOR SEQ ID NO: 23
SEQUENCE CHARACTERISTICS:
LENGTH: 5496 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                             Homo sapiens
                                                                                                                                                              254.00
0.428
44.789
                                                                                                             CDS
59..5200
                                                                                                                                                                                                                                                                                                                                                 HYPOTHETICAL: NG
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: HOM
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Ratio:
Similarity:
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186	gSerSerLeuLeuTyrArgPheAsnGlnLysLeuMetSerT:::!!!!!!	200
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281		292
292 2733	heargThrLysGlyGluThraspheargThrLysGlyGluThrasp	300
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363 2953	uProGlnIleValProIlethrP :::::        AACTGAAGTGGAGCCTTGTAGAAGGAGGAAGGAAGAGGAGAGAAATT	371 3002
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388	AspGlyLeuSerValSerPheGlnPheArgThrTrpAsnLysAspGlyLe::::::::	404 3099
404	uLeuLeuSerThrGluLeuSerGluGlySerGlyThrLeuLeuLeuSerL      ::: :::      GCTGTTCTTTGCAGAAAACGGGGATCGCTTCATATCTCTAAATA	421 3143
421		437 3193
9.0		K 7 K

3194	AAAGAGAGGAGTTGGAGACGCCATAAACAACGGCAGAGACCATTCGAT	3243
454	ISerIleAsnAlaArgArgAsnArgIleThrLeuThrLeuAspAspGluA   ::::   :::	471
4713294	roProAlaProAspSerThrTrpValGlnIle1	33.
488 3335	<pre>PyrPheGlyGlyCysProAspAsnLe    :::          TrcTGGGAGGAATTCCAATTGCAAT</pre>	504 3384
504 3385	uAsnProlleLysAlaPheGlnGlyCysMetArgLeuIlePheIleAspA ::::                    TTCTACGCCTGCTTTCCGAGGCTGCATGAAAA	521 3416
521	pLeuIleSer     :::::  ACTGTGGGA	529
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3467		3472
546 3473	rlleLysAspArgCysLeuProAsnTyrCysGluHisGlyGlySerCysS:::     : ::       : :	563 3479
563 3480	AGCTTGTGCGATCTGCCTCATTCTCCAG	575 3529
576	ThrSerTyrThr	579
3530	TTGAGTTTCACTGATTTGGGCTTACCACCTGGCCACCACCTCCAGGCCTC	3579
580 3580		587 3629
587	nThrAlaGl	603
200	COMPACTICACCION	300/
3668	<pre>rnerneryrileaspseraspGlySerGlyProbeu        :::       :::TACATTGAGCACCAGCGATAGCGGCGCCCAATTTTAA</pre>	615 3711
616		624 3759
624 3760	eThrGluAspLysIleTrpThrSerValGlnHis.AsnAsnThrGluLeu ::: :::::       ::::::    :::: AAGCGACAACTCTGGACTACGGCTTCTCATCGATGACCAGCTTCTG	640 3805
641 3806	Thrargvalarg1yalaasnProGluLysProTyralaMetAlaLeuAs ::: ::: ::!!! AGAAATAGCAAAAGGCTAAAACACATTTCAAGTTCCCGGCAGTCTCTGCG	657 3855
657	pTyrGlyGlySerMetGluGlnLeuGluAlaValIleAspGlySerGluH 	674
3830		3878
674 3879	<pre>isCysGluGlnGluValAlaTyrHisCysArgArgSerArgLeuLeuAsn         :::::                          </pre>	690 3916
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	3981	TTAAAC.	3991
	741	AspLysAspGluTrpThrAsnAspThrGlyPheLeuSerPheLysAspHi	757
	3991		3991
	757	<pre>&gt;ValThrGlnIleValIleThrAspThrAspArgSerAsnSe</pre>	774
	3992	ACCTTTTCTAATGTTGCTTAAAGGTTCTACC	4037
	774	AlaAlaTrpArgIleGlyProLeuAr	
	4038	AAGACTTTTCGTATCAACCAGCTGTTGCAGGACACACCAGT	0
	785	rGlyAspArgArgPheTrpAsnAlaValSerPhe	6
	4088	<b>AAGGAGCGTGAAGGTGTGCAAGATGCTTGCTCACCATTCCCAAG</b>	-
	798	AlaSerTyrLeuHisPheProThrPheH    :::::	808
	4138	AGGCCAATCATGGAGCCCTCCAGTTTGGGGACATTCCCACCAGCCA	4187
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	4188	-	4237
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•	4511	TTACCTGGGATCACCTCCATC	4560
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•	4561	CAGCTTTGTGGGATGCCTGAAGAACTTTCAGCTGGATTCAAAACCT	4610
	941	<pre>luArgAlaLysValThrSerGlyValArgProGlyCys ::: :::</pre>	957
-	4611	TATACCCCTTCTTCAAGCTTCGGGGTGTCTTCCTGCTTGGGTGG	4657
	958	SerTyrGlySerIleCysHisAsnGlyGlyLysCy	974
•	4658	CCTTTGGAGAAAGGCATTTATTTCTCTGAAGAAGGAGGTCATGT	4701

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974	8ValGluLysHisAsnGlyTyrLeuCysAspCysThrAsnSerProTyrG 99	1
4702		26
991	luGlyProPheCysLysLysGluValSerAlaValPheGluAlaGlyThr 10	07
, 00	SerValThrTyrMetPheGlnGluProTyrProValThrLysAsnIleSe 10	7 (7
4754	11 :: 11	29
1024	rLeuSerSerAlalleTyrThrAspSerAlaProSerLysGluAsnI 104.	41 13
1041	<pre>. leAlaLeuSerPheValThrThrGlnAlaProSerLeuLeuLeuPheIle 1     ::::::::  </pre>	.057
1058	AsnSerSerGlnAspPheValV::::::: GAGGCA	74 39
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1091	leaspalaaspasnPhealaasnargargMetHisHisLeuLysIleasn 11 :::::::::::::::::::::::::::::::::::	07 39
1108		24 89
1124	rTyrAsnPheSerProGluValGluPheArgValIleArgSerLeuThrL 11 : ::	41 39
1141	euGlyLysValThrGluAsnLeuGlyLeuAspSerGluValAlaLys 11        :::          TTGGAGGTGCTCCAGCCAATTTGACGACACTGAGGATCCCTGTGTGGAAA 50	56 89
1157	AlaAsnAlaMetGlyPheAlaGlyCysMetSerSerValGlnTyrAsnHi 11 :::	73 27
1173 5128	sileAlaProLeuLysAlaAlaLeuArgHisAlaThrValAlaProV 1       :::   :::	189 171
1189	alThrValHisGly 1193    ::::::::      TCAGTCTGAATGGT 5185	
seq_name	:: /cgn2_6/ptodata/1/1na/6A_COMB.seq:US-09-191-647-1	
seq_documer; Sequence; Patent NC; GENERAL 1; APPLICAN; APPLICAN; APPLICAN;	umentation_block: nce 1, Application US/09191647 t No. 6046015 AL INFORMATION: ICANT: Goodman, Corey ICANT: Kid, Thomas ICANT: Brose, Katja	
TITE FILE CURR CURR EARL	TINVENTION: ModulatineRER: B98-031-3 APPLICATION NUMBER: FILING DATE: 1998-11	
EARL	FILING DATE: 1997-11	

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                                                                                                                                                                                                             GTCACGGG......AAATCCTAGATGTCAAAAACCATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ACTGAATGTACTTGCATACAGTCGATCTAGCAACAAGGGTTT
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                                                                                                                                                                                                                                                                                                                                                                                               heHisGlyCysIleGluAsnLeuTyrTyrAsnGlyValAsnIleIle***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               rTyrLeuLeuLeuProGlyThrProGln.....IleA
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# O H O	CONTRACTOR A CONTRACTOR AND A CONTRACTOR	7
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709	ProProGlyValGlnGlnCysGluCysGlyL	
3100	stgactgcacaccagggtacgtaggtgaacactg	3214
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	GAATTTTATAAACAAAGAGTCTTATCTTCAGATTCCTTCA	3514
	neHisAlaGluPheSerAlaAspIleSerPhePhePheLysThrThrAla	824
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	uIleSerSerPr	828
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3659	AGCTTCTGCCATTTACAGTGTGGAGACAATCAATG	3705
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907	heArgLeuGlnLeuAsnSerGlnLeuPheValGlyGly	919
3802	TCTGAATTTTGACTCTCCACTCTATGTAGGAGGCATGCCAGGGAAG	3849
920	hrSerSerArgGln	927
3850 7	CTCTGCGCCAGGCCCCTGGGCAGAACGGAACCAGCTT	3899
927	eLeuGlyCysIleArgSerLeuHisLeuAsnGlyGlnLysMetAspLeuG	944

ns

944 LuGluArgAlaLysValThrSerGlyValArgProGlyCysProGly ::::::::: ::: :: ::    :::	alargProGlyCysProGly 959 ::             rtttGCCTGGCTGTGAGCCATGC 3996
960 HisCysSerSerTyrGlySerIleCysHisAsnGlyGlyLysCysValGl           ::::    :::    :::    3997 CACAAGAAGGTGTGTGCCCATGGCACATGCCAGCCCAG	HisasnGlyGlyLysCysValGl 976 :::    scccarGGCACATGCCAGCCCAG 4034
976 uLysHisAsnGlyTyrLeuCysAspCysThrAsnSerProTyrGluG::::::::::     :::    :::::: :::	sThrAsnSerProTyrGluGlyP 993   :::::: :::        CAGGAAGGATGGATGGGGC 4081
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eq_documentation_block: Sequence 1, Application US/09540245A Patent No. 6270984 GENERAL INFORMATION: APPLICANT: Goodman, Corey APPLICANT: Kid, Thomas APPLICANT: Brose, Katja APPLICANT: B98-031-3 CURRENT APPLICATION NUMBER: 60/065,544 PRIOR FILING DATE: 1997-11-14 PRIOR FILING DATE: 1998-04-07 NUMBER OF SEQ ID NOS: 20 SOFTWARE: Patentin Ver 2	5A .540, .544
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290	eArgThrLysGlyGluThrAspA 300        :::  rAGGACTCAGTTCTGTGCGTTTG 1890
300 laLeuAspIlehspTyrGluLeuSerPheGlyGly	yrGluLeuSerPheGlyGlyIle 312     ACTACAGTTGCACCAGGGGCATTTGA 1940
312	:
1941 TACTCTCCATTCTTTATCTACTCTAAACCTCTTGGCCAATCCTTTAACT	CCTCTTGGCCAATCCTTTTAACT 1990
313 ProValProGlvLvsProGlvThrPheLeuLvsI	rPheLeuLysLysAsnP 326

GTAACTGCTACCTGGCTTGGTTGGGAGAGTGGCTGAGAAGAAGAATT ACTGAATGTACTTGCTTGGATACAGTCGTCCGATGTAGCAACAAGGGTTT spGlyLeuSerValSerPheGlnPheArgThrTrpAsnLysAspGlyLeu |||||| |ATGGA.....AACCAATTT.....ACA 2490 AAATGACATTTCTGTTGTGCCTGAAGGTGCTTTCAATGATCTTTCTGCAT AsnGlnProLysAspLeuIleSerValGlnGlnGlySerLeuGlyAsnPh .....AAATCCTAGATGTCAAAACCATA rTyrLeuLeuProGlyThrProGln.....IleA .....ACA gAsnArgIleThrLeu....ThrL ThrTrpValGlnIleTyrSerGlyAsnSerTyrTyrPheGlyGly.... GAAGGTCTTGCCGAAAGGTATTCCAAGAGATGTCACAGAGTTGTATCTGG .. AspSer TATCACATCTAGCAATTGGAGCCAACCCTCTTTACTGTGATTGTAACATG eSerAspLeuHisIleAspLeuCysSerIleLysAspArgCysLeuProA heHisGlyCysIleGluAsnLeuTyrTyrAsnGlyValAsnIleIle\*\*\* euAspAspGluAlaAlaProProAlaPro.... .....ccrgrggar GTCACGGG 

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Apr

Fri

	; TYPE: DNA
	SOFTWARE: Patentin Ver. SEQ ID NO 1
	PRIOR APPLICATION NUMBER: 60 PRIOR FILING DATE: 1998-04-0 NUMBER OF SEQ ID NOS: 14
	CURRENT APPLICATION NUMB CURRENT FILING DATE: 20 PRIOR APPLICATION NUMBER PRIOR FILING DATE: 1998
	d, Thomas ose, Katja ssier-Lavigne, Marc TION: Modulating Robo: Li
	seq_documentation_block: Sequence 1, Application US Patent No. 6270995 GENERAL INFORMATION:
	seq_name: /cgn2_6/ptodata/1/ina/6B_COMB.seq:US-09-540-153-1
	993 roPheCysLysLysGluValSer 1000   :::    :::::::: 4082 cccTcTGTGACCAACGGACCAAT 4104
993 4081	976 uLysHisAsnGlyTyrLeuCysAspCysThrAsnSerProTyrGluGlyP::::::::::::::::::::::::::::::::::::
976 4034	960 HisCysSerSerTyrGlySerIleCysHisAsnGlyGlyLysCysValGl 
959 3996	944 luGluArgAlaLysValThrSerGlyValArgProGlyCysProGly::::::::::::::::::::::::::::::::::::
944 3948	927 eLeuGlyCysIleArgSerLeuHisLeuAsnGlyGlnLysMetAspLeuG 
927 3899	920
919 3849	907 heArgLeuGlnLeuAsnSerGlnLeuPheValGlyGly
907 3801	891 lAspAsnLeuProArgSerThrArgGluThrSerGluGluGlyHisP      :::      :::      3756 GGATGGTGGGAACCCCAAAATCATCATCATGTCAAAGCAGTCC
891 3755	875 TrpHisTyrValArgAlaGluArgAsnLeuLysGluThrSerLeuGlnVa:::
874 3705	858 lyProvalGluLeuValValGlnSerProSerLeuLeuAsnAspAsnGln     ::::: ::: ::: ::::::::::::::::::::
858 3658	841 uGluIleSerSerProSerGluIleThrPheAlaIleAspValGlyAsnG:   :::   :::   :::   :::   :::   :::   :::   :::   :::
841 3611	825 LeuSerGlyValPheLeuGluAsnLeuGlyIleLysAspPheIleArgLe

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                                                                                                                                       spGlyLeuSerValSerPheGlnPheArgThrTrpAsnLysAspGlyLeu
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ATGGA.....AACCAATTT.....ACA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .... AspGlyLeuTrpHisSerValSerIleAsnAlaArgAr
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Identity:
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US-09-770-643A-2 x US-09-540-153
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; NAME/KEY: CDS
; LOCATION: (1).
US-09-540-153-1
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313	:::: GTTGTGTGAGG	
929	MetGluGlnLeuGluAlaValIleAspGlySerGluHisCys	
661 308	648ProGluLysProTyrAlaMetAlaLeuAspTyrGlyGlySe              3055 CTTTGCCCACCTGAGTATACAGGTGA	
305	⊶ ັບ	
647	SASDASDThrGluLeuThrArgValArgGlyAlaAs	
301	111:::::::::::::::::::::::::::::::::::	
635	/sAsnIleThrGluAspLysIleTrpThrSerValGln	
618 296	603 GlyPhePheTyrIleAspSerAspGlySerGlyProLeuGlyProLe        :::     :::        2929 GGATTCTGGTGTATTTGTGATGGATTTGAAGGAGAA	
292	AGGAG	
602	lnGly	
290	TGTA	
286	GCACCTGTCCATATGGTTTCAAGGGGCAGGACTGTGATGTC	
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281	:::::     :::   ATCCGTGTAAAAATGATGGCACAT	
570	nTyrCysGluHisGlyGlySerCysSerGlnSerTrpThrThrPheTy	
276		
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537	roLysAs	
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268		
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/cgn2_6/ptodata/1/ina/5A_COMB.seq:US-08-644-271-31
KINASE RECEPTORS
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Gaps:
Identity:
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                                                                                                                                                                       APPLICANT: Valenzuela, et al.
TITLE OF INVENTION: NOVEL TYROSINE
TITLE OF INVENTION: AND LIGANDS
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       195A
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10-MAY-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT, Robert J
NAME: Cobert, Robert J
REGISTRATION NUMBER: 36,108
REFERENCE/DOCKET NUMBER: REG 10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-345-7400
                                                                                                                                    ce 31, Application US/08644271
No. 5814478
AL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 1479 base pairs
TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                      DOS
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LOCATION: 1...1479
OTHER INFORMATION:
44-271-31
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linear
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                                                                                                                                                                                                                                                                                                                  FORM
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FILING DATE: 10-MA'
CLASSIFICATION: 43
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Tarrytown
                                                                                                                          seq_documentation_block
                                                                                                                                                                                                                                                                                                               COMPUTER READABLE MEDIUM TYPE: Di
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Ratio:
Similarity:
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US-09-770-643A-2
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Patent No. 581
GENERAL INFOR
APPLICANT:
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CITY: Ta
STATE: N
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TyrLeuHisPheProThrPheHisAlaGluPheSerAla:::   ::::   :::	814 273
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888 erLeuGlnValAspAsnLeuProArgSerThrArgGluThrSerGluGlu 9 ::	904 564
905GlyHisPheArgLeuGlnLeuAsnSerGlnLeuPheValGl 9	918 614
nLys	926
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GCTTCGACGCCCATCCAGCTGGTCTCCCTCGGAGGCCGCCAGCTGCTG	714
lyValArgPr	955 753
world with a gradual washing a second and a second and a second as	
OCTYCYSFICGLYRISCYSSELSELTYIGLYSELILECYSHISA 	970
ysValGluLysHisAsnGlyTyrLeuCysAspCysThr	986
STCCCGAGGGAGGCTGCCTATGTGTGCCTGTGTCCC	849
GluGlyProPheCysLysGluValSe	1000

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.:::::|||||| |||:::||| ||| ...
..TTCTCAGGACCGCACTGCGAGAGGGGGCTGGTGGAGAGTC
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|| ||||||| :::::|||:::
| AGCAGAGGATCCCTGCAGGTGGGCAATGAGGCCCTGTGACC...
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.....ACCAACCGCTGGTTGCGGGTCGTGGCACATAGGG
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||| :::::|||
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                                                           yrMetPheGlnGluProTyrProValThrLysAsnIleSerLeuSerSer
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                                          .ValPheGluAlaGlyThrSerValThrT
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    Sequence 64, Application US/09188930A
    Patent No. 6150502
    GENERAL INFORMATION:
    APPLICANT: Watson, James D.
    APPLICANT: Strachan, Lorna
    APPLICANT: Strachan, Matthew
    APPLICANT: Onrust, Rene
    TITLE OF INVENTION: Compositions Isolated From Ski
    TITLE OF INVENTION: and Methods For Their Use
    FILE REFERENCE: 11000.1011c1
    CURRENT APPLICATION NUMBER: US/09/188,930A
    CURRENT FILING DATE: 1998-11-09
    NUMBER OF SEQ ID NOS: 348
    SOFTWARE: FastSEQ for Windows Version 3.0
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|| ::: ||||||:::||||||||
|CCTACGGCACAGGCTTTGTGGGGCTGCTTGCGGGACGTG 1401
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LENGTH: 2481
TYPE: DNA
ORGANISM: Rat
5-09-188-930-64
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GGGGGA.
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              850
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alignment\_scores

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Le Percent Iden	8-930-64	8-930-64 from:	le***LeuAlaLysA          :::::: TAGACTTAAGTAACA	hrPheSerCysSer ::       GCTTCAGCAAC	rSerGlySerTyrLe          AGTTACAA	erValSerPheGlnP	ThrGluLeuSerGlu	lylleLeuArgLeuVa :: ::::!! ATGACATTTCTGTCGT	laGluIleLeuThrGl ::::::: CACACTTAGCAATTGG	LeuAsnAspGly    :::    GTGGTTATCCGAC	nArglleThrLeuT       TATAAGGAACCTGG	SerThrTrpValGln: ::: AAATGGCAGATAAAT	ly.GlyCysProAsp ::     CAAGGTCCTGTGGAT	uAsnProlleLysAl	snGlnProLysAspLeu.   :::     ATGACCCGGTGGATTTT	AsnPheSerAspLeuHis ::: CAGGACTGTGATGTCCCC	LeuProAsnTyrCysGl	:::::     :::::     AAACATGGAT
: 234.50 : 0.653 : 47.613	US-09-18	us-09-18	alAsnilei ::::::! TAACACTTA	GlyasnValT  :::    rccaaccaaa	ValAsnSe	spGlyLeus	euLeuSer	GluGlyG :::   : carggaa	rgValA :::: ccrrgr	AACATGCAG	Arg.ArgA :::       AAGTCGGA	AlaProAsp: :::[  ::: GrcccGGAG	yrTyrPheG:::   :::: TTTACATGT	Le	helleaspas   ::   AaCA	LeuGly      AAGGGC	pArgCysLe	SerG
Quality Ratio Similarity	_block: 70-643A-2 x	eg 1/1 to:	TyrAsnGlyVa	eTyrThrVal(       ::: AAGCACCCTT	rolleThrPheV::: ccrrAATTCTC.	ProGlnIleAs	sAspGlyLeuL           .GATGGATTG.	euLeuSerLeu 	GGTGACCTTTCAG	CTGTGATTGT	erIleAsnAla ::: GTG	aAlaProPro/ 	CTCCAAAATT	lnCys	ArgLeulleP	lGlnGlnGlySer       CCCATATGGTTTC	erIleLysAsF :: CA	CATTTAAAACC
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CC)	AACATCACACTTCAGATTGCCACAGATGAAGACAGCGGCATCCTTGT	
831	eSerPhePheLysThrThrAlaLeuSerGlyValPheLe	81
1278	::	
	rGluAlaSerTvrLeuHisPheProThrPheHisAlaGluPheSerAl	79
1228	:::   ::::::::::::::::::::::::::::::::	119
798	yCysTyrGlyAspArgArgPheTrpAsnAlaValSerPheTyr.	78
1189	ATGAACCAATATGCCAGTGTTTGCC	115
782	AlaAlaTrpArgIleGly	77
1149	3 GTGATAATTTTGATTGTCAGAATGGAGCCCAGTGTATCATCAGG	110
774	0 ValThrG	97
1103	rcrgr	105
759	•	75
105	::: :::!!!	100
749	luTrpThrAsn.AspTh	74
100	::	96
743	7 luSerCysLeuAspileG	72
964	0	94
727	rTrpGlyGlySerProProGlyVal	710
939		91
710	5ThrProPheThrTrpTrpIleGlyArgSerAsnGluAr	69
918		88
694	2 isCysArgArgSerArgLeuLeuAsnThrProAspGly	68
879	:::	84
682	5 uGluAlaValIleAspGlySerGluHisCysGluGlnGluVal	99
839		81
665	1 ProfyralaMetalaLeuAspTyrGlyGlySerMetGluGln	65
810		92
650	1 hrArgValArgGlyAlaAsnP	64
763	:::     ::: 1GAAAATAATTCT.	75
641	4 eThrGluAspLysIleTrpThrSerValGlnHisAsnAsnThrGluLeu	62
750		73
624	8 AspSerAspGlySerGlyProLeuGlyProLeuGlnValTyrCysA	09
738	::       1 ATTGCGAA	73
607	1 erCysGluValTyrArgHisGlnGlyAsnThrAlaGlyPheF	59
730	:       :::::         :::     :::     :::     :::     :::       :::   :::     :::     :::     :::     :::     :::     :::     :::     :::     :::     :::	69
J N T	4 raspinrserivringivalarnroyshisasnseritelvicingin	<u>`</u>

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1336 1436 1630 1486 138 114 131 147 164 99 17 α φ | | | | :: ..GGTAG **ArgAlaArgPheValArgPheValProLeuGluTrpAsnProSerGlyLy** . -GAAGGACAACTCGGTTCACGGGCGTCATCACTCAGGGCCGTGACTCCAGC .. SerAspTrpValThrSerTyrSerLeuMetPheSerAspThrGl arccargacgactrcgrgactaccrrctrtgrgggcrrcagcaargacag ::::::||| :::||| | CCAGACCTGGGAAATGACCTTCTATG lyAsnMetAsnAlaAspSerValValHisHisLysLeuLeuHisSerVal lyAsnArgValGluIleThrAlaValAlaThrGlnGlyArgTyrGlySer 771 39 493 3728 20 321-00000 t GIGGCCCGTITCATCCGCATCTATCCACTCACCTGGAAC Gaps: Identity: Length MC3T3E1  $\leftarrow$ from: 93 ATTORNEY/AGENT INFORMATION:
NAME: FORMAN, DAVID S.
REGISTRATION NUMBER: 33,694
REFERENCE/DOCKET NUMBER: 02481.1
TELECOMMUNICATION INFORMATION:
TELEFHONE: 202-408-4000
TELEFAX: 202-408-4000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3728 base pairs sIleGlyMetArgValGluValTyrGlyCys
:::: |||||||:::||||||| MBER: JP 230029/9 28-AUG-1992 APPLICATION NUMBER: JP 324033/9 FILING DATE: 03-DEC-1992 cell line Percent CURRENT APPLICATION CA....
APPLICATION NUMBER: US/08/111,
FILING DATE: 26-AUG-1993
CLASSIFICATION: 435 US-08-111-939-1 -939-1 mRNA musculus US-08-111 222.00 0.645 44.617 osteoblastic PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 28-AUG-CDNA to double nucleic acid linear MOLECULE TYPE: ORIGINAL SOURCE: CDS 69. alignment\_scores:
 Quality:
 Ratio:
 Percent Similarity: × STRANDEDNESS TOPOLOGY: 1 <del>د</del>0 alignment\_block: US-09-770-643A-2 NAME/KEY: LOCATION: S-08-111-939-1 ORGANISM: LENGTH: TYPE: n Align seg 1/1 STRAIN: 1287 337 83 1387 1437 57 99 100 114 1487 131 148 587 164 537

536

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1631	CCTGTGCATGCGCCTGGAGGTGCTAGGCTGCCCCGTGACCCCTGTCTACA	1680
175	erTyr	184
1681	GCTACTACGCACAGAATGAGGTGGTAACTACTGACAGCCTGGACTTCCGG	1730
185 1731	GlyArgSerSerLeuLeuTyrArgPheAsnGlnLysLeuMetSerThrLe::::         ::::::::::::::::::::::::	201 1771
201	uLysAsp	203
1772	CAATGAGGAGTGCCCCACAATCACTCGCACATACAGCCTGGGCAAGAGTT	1821
204	CACGAGGGCTCAAGATCTACGCAATGGAAATCTCAGACCCTGGGGAT	215 1871
216	GlyvalLeuPheHisGlyGl	22
222	calcaacteccccactriccccracaccccccccccccccccccccccacaccccccc	1921 239
1922	: III :::: III III::::: III III::::: III III::::: IIII: IIII:	ത
239	laLeuHisLeuAsnLeuGlyAspSerLysAlaArg	255
7 7 0 Y		2003
256	ProSerAlaThrLeuGlySerLeuLeuAspAspGlnHisTrpHis***Va :::   :::    :::     :::     .   .   .	272 2035
272		289
2036		2036
289	hrGlnHisPheArgThrLysGlyGluThrAspAlaLeuAspIleAsp	304
2037		2057
305	TyrGluLeuSerPheGlyGlyIleProValPr         :::::  TATGAGGGGCAGAGATGGGCTCAGAGTTTGGGAACTGGGCACTG	315 2105
315	oGlyLysProGlyThrPheLeuLysLysAsnPheHisGlyCysIleGluA	332
2106		2139
332	snLeuTyrTyrAsnGlyValAsnIleIle***LeuAlaLysArgArgLys	348
2140	AGGACTTCCCAGATCTCAACTCTGTGCTCTGGGCAGCTGAGGAGAAAA	2189
349	<pre>HisGlnIleTyrThrValGlyAsnValThrPheSerCysSerGluProGl                    </pre>	365
2190	TGGGTCCCCTACAGGGTCCCAAACAATAACTTGCCAATCCCTGAACGTTA	2239
365	nIleValProileThrPheValAsnSerSerGlySerTyrLeuLeuP :::         :::           :::::: CCTGTCCCAGATGCCACGGTCTCACAGAAGTCCGGGCCATTATTATTATTATTATTATTATTATTATTATTATTAT	382 2285
382	roglyThrProGlnIleAspGlvLeuSerValSerPheGlnPheAraThr	3 68
2286		2288
399	LysAspGlyLeuLeuLeuSerThrGluLeuSer	414
2289	TGGATGGAGAACCCCTTTGTGCTGGGTGCAATCTGAACGG	2332
414		431
2333		2382

431	InLysMetThrGluArgValAlaGluIleLeuThrGlySerAsnLeuAsn	447
		<u> </u>
448	AspGlyLeuTrpHisSerValSerIleAsnAlaArgArgAsnArgIleTh           Asp	
7747	two	<b>3</b>
464	rLeuThrLeuAspAspGluAlaAlaProProAlaPro :::	_
2430	gatgacgggtgtctgaggcccaggagactccagatcac	2469
479	hrTrpValGlnIleTyrSerGlyAsnSe	489
2470	CTATTTCCGCTGGCTGGCCATCTCATTTGCCTCCGCCCA	2519
490	TyrPheGl	494
2520	ACGGAGCCCTACCGGGGAGGGTG	2569
495	· · · · · · · · · · · · · · · · · · ·	499
2570	GGGCATTGTCAACGGGGCCAAGTGGAATCCTCGCTCTGGGAC	2619
200	AspSerGlnCysLeuAsnProIleLysAlaPh	511
2620	ACTITAGCTACCTGCACACAAACTGTCT	2666
512	<pre>GlyCysMetArgLeuIlePheIleAspAsnGlnProLysAspLeuIle         :::::    ::::</pre>	528
2667	GGCTGTGACAAGTTCCCCCACGAGAGTGAGCTACCCCGAGA	2716
528	rValGlnGlnGlySerLeuGlyAsnPheSerAspLeuHisIleAspLe::::::::::::::::::::::::::::::::::::	
2717	CAACAAAGAGGGCTGCTCACCTTCATGGAGCAGGTGCA	_
545	ysSerIleLysAspArgCysLeuP	553
2767	AGGGTGTGACAGATGAGCAAGGCATCCC	2816
554	AsnTyrCysGluH	559
2817	TCTGTGAGTGGCATCAACCATGG	2866
260	GlySerCysSerGln	265
2867	CTGGCGCATTCTGAACCCGGGTGAGTACCGTGTGACAGCTCACGCAGAGG	2916
565	erTrpThrThrPheTyrCysAsnCysSerAspThrSerTyrThrG	581
2917	GCTACACCTCAAGTGCCAAGATCTGCAATGTGGACTACGATATTGGGGC	2966
582	ThrCysHisAsnSerIleTyrGluGlnSer	593
2967	ACTCAGTGCAACTTCATCCTGGCTCGATCCAACTGGAAGCGCATTCGGG	3016
593	<pre>uValTyrArgHisGlnGlyAsnThrAlaGlyPhePheTyrI  :::</pre>	610
3017	GATCTTGGCTATGAACGGGA	3057
610	spGlySerGlyProLeuGlyProLeuGln.ValTyrCysAs	979
3058	ACCCCTCACGACCCCAGCAGCA	3099
626	uAspLysIleTrpThrSer.ValGlnHisAsnAsnThrGl	642
3100	. AGCGCCGTCTACAGTACCGGCTCCGCA	3145
643	ValArgGlyAlaAsnProGlu	649
3146		3186

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uAsnTrpArgValGly......ThrGlyGlyTrpS ||||| ::: |||| |CAACATTCAGTCAGGCCTGGAGGACGGCGATCTATATGATGGAGCCTGGT snTrpLysGlnTyrLysGlnGluAspSerIleTrp....ThrPheAla
::|||
::|||
ccTGGTGGGAAGTAGGAACCACAGCAGTGGGATGGACGCAGTATTTCCT GCCAATTCAGACCCAGAAACTCCAGTGCTGAACCTCCTGCCGGAGCCCCA heArgThrLysGlyGluThrAspAlaLeuAspIleAspTyrGluLeuSer:::|||::: :: :: | | | | ::: | AGTTCCTGCGAGGGAACCCACAGGTGACCCGGCTGCTCTCTGAGATGCGC GlyAsnMetAsnAlaAspSerValValHisHisLysLeuLeuHisSerVa hrLeuLysAsp......valIleSerLeuLysPhe AGGTACAAGAGCAATGCCCCAACATCACCCGCATCTACAGCATTGGG.... • ThrLeuGlySerLeuLeuAspAspGlnHisTrpHis\*\*\*ValLeuIleGl PheGlyGlyIleProValProGlyLysProGlyThrPheLeuLysLysAs ::: :: |||| ATTCACCTGCTGCTCCATGAACCCTGATGGC 

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325 nPheHisGlyCysIleGluAsnLeuTyrTyrAsnGlyValAsnIleIl	<pre>snLeuTyrTyrAsnGlyValAsnIleIle*    :::::    TCGCCTACCACCGGGGTTCAGAGCTGGTGG</pre>	342 1594
342 **LeuAlaLysArgArg	AACAACCAGAGCATCGATCTTAACCATAAT	350 1644
<pre>IleTyrThrValGlyAsnValThrPheSerCysS ::: TTTGCTGACCTCAACACACCACTGTGGGAAGCAC</pre>	rPheSerCysSerGlu :::::::::::: GTGGGAAGCACAGGACGATGGG	363 1694
364 .ProGlnIleValProIleThrPheValAsnSerSer     :::	PheValAsnSer	380 1723
nIleAspGlyLeuSe. ::: ::: :: ccTGcccAATGccAC	<pre>IleAspGlyLeuSerValSerPheGlnPhe ::: ::: ::: ::: CTGCCCAATGCCACGTGGCTCCTGAAACG</pre>	396 1773
397 ArgThrTrpAsnLysAspGlyLeuLeuSerThrGl     :::  1774 CGGGCAGTAATCAAGTGGATGAAGCGGATCCCCTTTGTGCTAAGTGCCAA	nLysAspGlyLeuLeuLeuSerThrGl       RAGCGGATCCCCTTTGTGCTAAGTGCCAA	409 1823
409 uLeuSerGluGlySerGlyThrLeuLeuLeuSerLeuGluGlyGlyIleL :::    :::	hrLeuLeuLeuSerLeuGluGlyGlyIleL    ::::::    AGCTCGTGGTGTCCTACCCATTCGACATGA	426 1867
426 euArgLeuValileGlnLysMetThrGluArgValAlaGluIleLeuThr 	MetThrGluArgValAlaGluIleLeuThr       :::   :::        ACCCGTGGGCTGCCCGCGAGCTCACG	442 1899
443 GlySerAsnLeuAsnAspGlyLeuTrpHisSerValS	yLeuTrpHis	459
1899		1899
459 gArgAsnArgIleThrLeuThrLeuAspAspGluAla 1900	AspAspG1	476 1906
pSerThrTrpValGln	GlnIleTyrSerGlyAsnS	488
3TGTTTCGCTGGCTCAGCACT	AGCACT	1953
489 TyrTyrPheGlyGlyCysProAspAsnLeuThrAspS	pAsnLeuThrAs	505 1959
ProlleLysAlaPheGlnGlyCysMetArgLeull    :::       :::	/sMetArgLeullePhelleAsp 	522
lnProLysAspLeuIleSerValGlnGlnGlySer	nGlnGlySerLeuGlyAsnPheS	38
1982 GACCC		1986
LeuHisIleAspLeuCysSerIleLysAspArg	Ø	555
rCysGluHisGlyGlySerCysSerGlnS	.GlnSerTrpThrThrPheTy	571
CTCCGTGCACGCCAACATCATCAACGGGGCCTG	GGCTG	2053
571 ysAsnCysSerAspThrSerTyrThrGlyAlaThrCy::::::!!!	<pre>PyrThrGlyAlaThrCysHisAsnSerIle      ::::::    rdCTACACCAACTGCTTTGAGGTCACT</pre>	587 2103
TyrGluGlnSerCysGluValTyrArgHisGlnG	1TyrArgHisGlnGlyAsnThrAlaGlyPh	604
<pre>2104 GTGGAGCTGTCCTGTGACAGTTCCCTCACGAGAATGAATTGCCCCAGGA 604 ePheTyrIleAspSerAspGlySerGlyProLeuGlyProLeuGlnValT</pre>	<pre>3TTCCCTCACGAGAATGAATTGCCCCCAGGA IvSerGlvProLeuGlvProLeuGlnValT</pre>	2153 621

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2235
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Ginsburg, David
APPLICANT: Cui, Jisong
TITLE OF INVENTION: Compositions And Methods For Screening
TITLE OF INVENTION: Compounds For Anticoagulant Activity
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
                                                                                                                    648
                                                                                                                                                                                         665
GGGACTACATGGTGACTGCCAGTGCCGAGGGCTACCATTCAGTGACACGG
                                                    yrCysAsnIleThrGluAspLysIleTrpThrSerValGlnHisAsnAsn
                                                                     ACCTGGAGCAGGTGCGCATGGGCATTGCAGGAGTGGTGAGGGACAAGGAC
                                                                                                                                                                                         oGluLysProTyrAlaMetAlaLeuAspTyrGlyGlySerMetGluGlnL
                                                                                                                       .ThrArgValArgGlyAlaAsnPr
                                                                                                                                                                                                                                                            euGluAlaValIleAspGlySerGluHisCysGluGlnGluValAlaTyr
                                                                                                                                                                                                                                                                                                                                                                                              /cgn2_6/ptodata/1/ina/6A_COMB.seq:US-08-746-111-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LLP
, Suite 2200
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/746,11
FILING DATE: 06-NOV-1996
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       other nucleic acid
/desc = "DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Carroll, LL
ery Street,
                                                                                                                                                                                                                                                                                                                                                                                                                            seq_documentation_block:
; Sequence 4, Application US/08746111;
; Patent No. 6066778
; GENERAL INFORMATION:
; APPLICANT: Ginsburg, David
; APPLICANT: Cui, Jisong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Ingolia, Diane E.
REGISTRATION NUMBER: 40,027
REFERENCE/DOCKET NUMBER: UM-O
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 6585 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        oŧ
  2154 GTGGGAGAACAACAAGACGCC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Medlen & Carrestreet: 220 Montgomery Street: San Francisco STATE: California COUNTRY: United States of 21P: 94104
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Quality:
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DESCRIPTION:
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US-08-746-111-4
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                                                                                                                                                                                                                                                               ArgPheValArgPheValProLeuGluTrpAsnProSerGlyLysIleGl
                                                                                                                       luIleThrAlaValAlaThrGlnGly.....ArgTyrGlySerSerAsp
                                                                                                       SerProAlaGlnLeuAsnTrpArgValGlyThrGlyGlyTrpSerProAl
                                                                                                                                                                                                                          sGlnTyrLysGlnGluAspSerIle.....TrpThrPheAlaGlyAsnM
                                                                                                                                                                                                                                                                                                                                                                                        GCAATACCAAGGGGCACATGAAGAACTTTTCAACCCGCCCATTATTTCC
                                                                                                                                                                                                                                                                                                                                                                         etAsnAlaAspSerValValHisHisLysLeuLeuHisSerValArgAla
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  seq_name: /cgn2_6/ptodata/1/ina/6A_COMB.seq:US-08-936-135
3.800
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Gaps:
Identity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chen, Hang
Chen, Hang
ZENTION: Semaphorin Receptor:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LAW
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MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0,

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/936,135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TECHNOLOGY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6545
             Percent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             yMetArgValGluValTyrGlyCys 174 ::::|||:::||||||| CCTTCGCCTAGAGCTCTTCGGCTGT 654
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Marc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: UC97
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 343-4341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          seq_documentation_block:
    Sequence 11, Application US/089361;
    Patent No. 6054293;
    GENERAL INFORMATION:
    APPLICANT: Tessier-Lavigne, Ma
    APPLICANT: He, Zhigang
                                                                              - 4
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                                                    US-08-746-111
                                                                              US-08-746-111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Semapho
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECH
STREET: 75 DENISE DRIVE
CITY: HILLSBOROUGH
STATE: CALIFORNIA
2.424 68.000
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Ratio:
Similarity:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: UZIP: 94010
                                     alignment_block:
US-09-770-643A-2
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                                                                             Align seg
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              Percent
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1860 2060 2160 2210 2257 2307 191 196 201 101 114 128 162 176 181 184 75 20 28 41 58 88 14 23 PhealaGlyAsnMetAsnAlaAspSerValValHisHisLysLeuLeuHi ccccrccrragragccccrcccccrccrccrccgaacccrcaagccc lyArgAsnTrpLysGlnTyrLysGlnGluAspSerIleTrpThr..... .........TrpValThrSerTyrSerLeuMetPheSerAspThrG GGAAGCCAGGGCGTTTGTACGCAAGTTCAAAGTCTCCTACAGCCTAAATG sSerValArgAlaArgPheValArgPheValProLeuGluTrpAsnProS LeuProArgLeuThrSerValLeuThrLeuLeuPheSerGlyLeuTrpH1 4733 900 74.9 3(49.9 4 21 to: Length: Gaps: Identity: Н from: Percent ... LysSerAspValAlaAsp. PheAsp to: US-08-936-135-11 -135-11 디 AX: (650) 343-4342
ON FOR SEQ ID NO: 1.
E CHARACTERISTICS:
H: 4733 base pairs
nucleic acid
DEDNESS: double US-08-936 201.50 0.622 43.258 CDNA STRANDEDNESS: doi TOPOLOGY: linear MOLECULE TYPE: CDN alignment\_scores:
 Quality:
 Ratio:
 Percent Similarity: × alignment\_block: US-09-770-643A-2 TELEFAX: INFORMATION F SEQUENCE CH LENGTH: 1/1 sed 2111 1764 1861 911 2011 89 2061 2211 2258 20 28 42 58 75 114 2161 129 2308 4 961 102 145 162 177 Align

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Fri

us-09-770-643a-2.rni

185	GlyArgSer	187
2405	- G	2454
188 2455	SerLeuLeuTyrArgPheAsnGlnLysLeuMetSerThrLeuLysAsp:	203
204	ValIleSerLeuLysPheLysSerMetGlnGlyAspGlyValL ::::::::::::::::::::::::::::::::::::	218
218 2549	<pre>euPheHisGlyGluGlyGlnArgGlyAsp</pre>	230
231 2599	LeuGluLeuGlnLysGlyArgLeuAlaLeuHisLeuAsnLeu	244
245 2649		250
251 <sup>°</sup>	AAGCCCTGTGTGCATGGAGTTCCAGTACCAAGCCATGGCGGCGGGG	261 2748
262 2749	SerLeuLeuAspAspGlnHisTrpHis***ValLeuIleGluArgValGl           :: :: :: :: :: :: :: :: :: :: :: :: ::	278 2777
278 2778	yLysGlnValAsnPheThrValAspLysHisThrGlnHisPheArgTh:::::::::    :::     ::::::::     CAGGAAAGCAAACTCCTTTGGGTCATCCGTGAGGACCAGGGCAGCGAGTG	294
294 2828	rLysGlyGluThrAspAlaLeuAspIleAspTyrGluLeuS             AAGCACGGGCGCATTATCCTGCCCAGCTATGACATGGAGTATCAGATCG	308 . 2877
308	<pre>erPheGlyGlyIleProValProGlyLysProGly</pre>	319
319		319
2928	GACATTCGGATAAGCACTGATGTCCCACTGGAGAACTGCATGGAACCCAT	2977
320	ThrPheLeuLysLysAsnPheHisGlyCysIleGluAsnLeuTyrT :::    ATCAGCTTTTGCAGGTGAGGATTTTAAAGATGAATATGAAGGAGATTGGA	335 3027
335 3028	<pre>yrAsnGlyValAsnIleIle***LeuAlaLysArg                                      </pre>	346 3077
347	ArgLysHisGlnIleTyrThrValGlyAsnValThrPheSerCysSerGl:::    :::    ::: :::    GAAAAGAGCTGGCTGTACACCCTA	363 3103
363	<pre>uProGlnIleValProIleThrPheValAsnSerSerGly :     ::::::              TCCCATTCTGATCACCATCATGAGCTCGCTGGGGGTCCTGCTGG</pre>	376 3153
377 3154	GGGCCACCTGTGCTCCTCCTTTTACTGCACTGCTCCTATTCGGGT	389 . 3203
3204	LeuServalSerPheGlnPheArgThrTr          crGAGTTCGAGGAGCTGCACCAGACTGGAGAACTACAACTTTGAGCTCTA	399 3253
399	pAsnLysAspGlyLeuLeuLeuSerThrGluLeu	410

33	:	
32	11SerGluGlySerGlyThrLeuLeuLeuSer 420        ::: 98 GCTCGGAGGCATGACCGATTGTGTCTGGCTTTCTTCATTCC 3347	
33	21 LeuGluGlyGlyIleLeuArgLeuValIle	
33	31	
34	38 laGluIleLeuThrGlySerAsnLeuAsnAspGlyLeuTrpHisSerVal 454 ::::::        ::::: 48 TGAAGGTATGGACAGACAGACA	
34	<pre>55 SerIleAsnAlaArgArgAsnArgIleThrLeuThrLeuAspAspGluAl 471</pre>	
35	71 aAlaProProAlaProAspSerThrTrpValGlnIleTyrSerGlyAsnS 488 :::        15 TTGCCCACCAGGACTGTGG	
35	88 erTyrTyrPheGlyGlyCysProAspAsnLeuThrAspSerGlnCysLeu 504     :::    34TGGCCAAGTGAATGCAGG 3551	
35	<pre>05 AsnProlleLysAlaPheGlnGlyCysMetArgLeuIlePheIleAspAs 521</pre>	
35	21 nGlnProLysAspLeuIleSerValGlnGlnGlySerLeuGlyAsnPheS 538         :: ::    ::: 84ATCTCAGCTGCCTCTGGAAAGGCTCAACCATAC. 3616	
36	38 erAspLeuHisIleAspLeuCysSerIleLysAspArgCysLeuProAsn 554    :::     17TCAGTGCCAACTCAGACTCTGTTGCTG 3643	
36	55 TyrCysGluHisGly	
3 8	61 rCysSerGlnSerTrpThrThrPheTyrCysAsnCysSerAspThrSerT 578          ::: :::::	
5	78 yrThrGlyAlaThrCysHisAsnSerIleTyrGluGlnSerCys 592 ::     :::	
sed_na	name: /cgn2_6/ptodata/1/ina/5A_COMB.seq:US-07-607-538C-1	
seq_doc ; Seque ; Paten ; GENE ; AP ; TI	documentation_block:  quence 1, Application US/07607538C  quence 1, Application US/07607538C  itent No. 5455031  SENERAL INFORMATION:  SENERAL INFORMATION:  SENERAL INFORMATION:  SENERAL INFORMATION:  SENERAL INFORMATION:  SENERAL INFORMATION:  APPLICANT: Peterson Dr., Jerry A.  APPLICANT	₹G

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:::::::|||:::|||||||||||||||
rccAGTTTGTGGCATCCTACAAGGTTGCCTACAGTAATGACAGTGCGAAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30 CysAspAspProLeuAla.....SerLeuLeuSerProMetAl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .....SerProAlaGlnLeuAsnTrpArgValGlyThrGlyGlyTrpSer
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Version
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Gaps:
Identity:
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                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: V1v1ana Amzel
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: CRFCC-004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 943-1189
TELEFAX: (510) 943-1189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   from:
ADDRESSEE: V. Amzel & Assoc.
STREET: 2055 No. 5455031th Broadway
CITY: Walnut Creek
STATE: Callfornia
COUNTRY: USA
                                                                                                        COUNTRY: USA
ZIP: 94596
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS 5.(
SOFTWARE: Patentin Release #1.0, Vecure of the compatible of the compatib
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APPLICATION NUMBER: US/07/607,538C
FILING DATE: 01-NOV-1990
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US-09-770-643A-2 x US-07-607-538C-1
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SEQUENCE CHARACTERISTICS:
LENGTH: 1384 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   to: US-07-607
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1.481
58.442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   alignment_scores:
Quality:
Ratio:
Percent Similarity:
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	ethrLeuGluLeuGlnLysGlyArgLeuAlaLeuHisLeuAsn 243	229
785	GAAGGGAGGGTGTTCAGAGGCAGCACCACCA	754
229	GlnGlyAspGlyValLeuPheHisGlyGluGlyGlnArgGlyAspHisIl	21.3
753	GCCTCTTGGCTTCTCAGCCCCTTTAAATCACCATAGGGCTGGGGACTGGG	704
212	ysLeuMetSerThrLeuLysAspValIleSerLeuLysPheLys	196
703	O	699
196	PValAlaAspPheAspGlyArgSerSerLeuLeuTyrArgPheAsnGlnL	179
668	AACCGCATCGCCCTGCGCGCTGCTGGGCTGTTAGTGGCCACCTGC	619
179	ο.	163
618	CCATCCTGGCTCGCTATGTGCGCATCCTGCTGTAGCCTGGCAC	575
162	•	147
574	CAACTGGGACAACCACTCCCACAAGAAGAACTTGTTTGAGACGC	531